

8	27364	92836	69428	61268	74982	46498	42764	31276
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
711	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
7	87432	74328	78674	29867	32867	67867	86786	43286
7	68768	68763	34234	34238	68768	62342	48273	48768
26	98432	32432	86743	43286	43286	43286	43286	43286
243	86743	86743	39867	32867	86743	43286	43286	43243
8	86743	86743	86743	86743	86743	86743	86743	86743
92	98798	98754	98754	98754	98754	29867	67543	67986
6	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
7	58767	58767	58767	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #337, October 2025

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

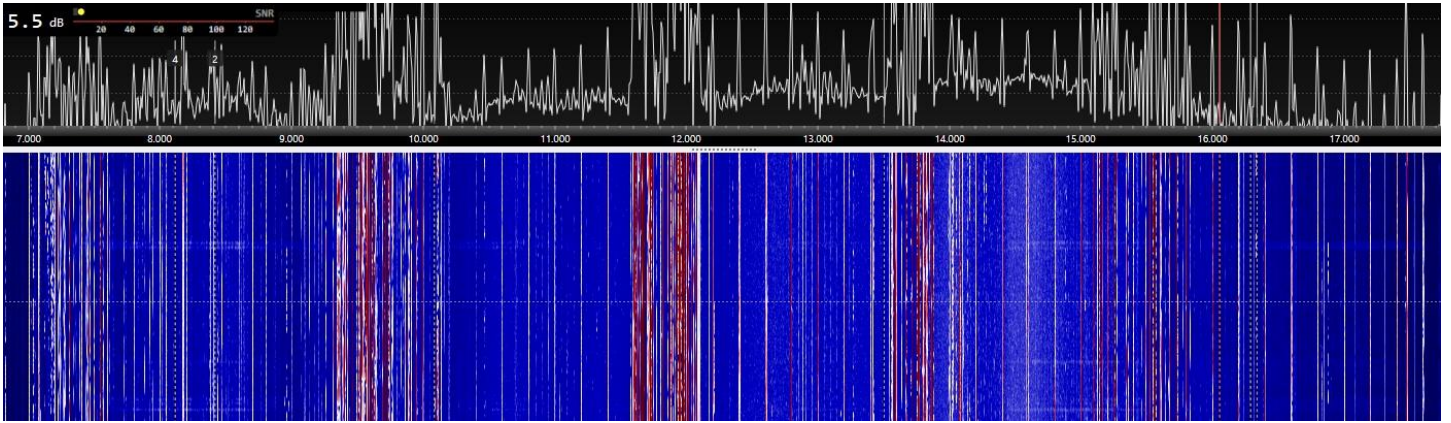


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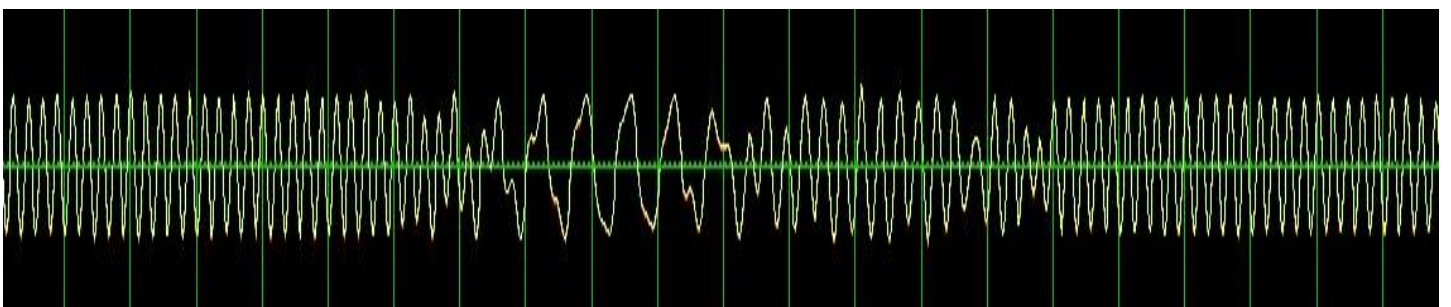


Numbers and Oddities

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NOTE FROM THE EDITOR

We found some unscheduled double transmissions from Poland during the first week of November.

4181 kHz, 04-10, 1610 UTC, E11	396/00 Out. Scheduled
4181 kHz, 04-10, 1727 UTC, E11	396/00 Out. Unscheduled
4505 kHz, 04-10, 1645 UTC, E11	367/00 Out. Scheduled
4505 kHz, 04-10, 1727 UTC, E11	367/00 Out. Unscheduled. Normal signal for 2m40s then very distorted for the last 35s
6940 kHz, 05-10, 1240 UTC, P03	Scheduled
6940 kHz, 05-10, 1245 UTC, P03	Scheduled
6940 kHz, 05-10, 1328 UTC, P03	Unscheduled
6940 kHz, 05-10, 1333 UTC, P03	Unscheduled
8180 kHz, 07-10, 0700 UTC, E11	576/00 Out. Scheduled
8180 kHz, 07-10, 0707 UTC, E11	576/00 Out. Unscheduled

The Russians continued to flood us with a huge amount of XPB1 and XPA2 broadcasts in October. Unfortunately, conditions were often so poor that decoding became problematic. It was too much to monitor all activity. You just can't have it all, right? We also heard additional F07, M12 and M14 broadcasts.

Some regular contributors are busy with other things and don't have time for the radio. As a result, V13 logs, among others, are missing. Thanks to a small, dedicated group of monitors we still have a well-filled newsletter.

VOICE STATIONS

E06

10755 kHz, 28-10, 0858 UTC

08331 85008 10599 13871 53218 21975 36114 34979 77116 86652
52519 17545 69903 36603 63523 34585 44004 45655 71738 41516
63295 42152 38683 19923 80697 90660 62066 07753 07889 34322
56307 45619 65598 40040 47199 93916 87896 13680 16684 00412
78921 77480 58652 23016 45498 26864 31725 37424 54059 08818
19939 84297 85331 89052 37278 35691 85203 00122 37000
3s silence 975 (R10m45s)
85008 10599 13871 53218 21975 36114 34979 77116 86652
52519 17545 69903 36603 63523 34585 44004 45655 71738 41516
63295 42152 38683 19923 80697 90660 62066 07753 07889 34322
56307 45619 65598 40040 47199 93916 87896 13680 16684 00412
78921 77480 5 off

E07

17461/16161/14361 kHz, 1500/1520/1540 UTC

17461/16161/14361 kHz, 03-10, 1500/1520/1540 UTC

413 413 413 1 175 99 175 99
79422 21899 59215 79779 33918 36827 21407 22756 90353 11540
84445 89676 15941 69014 62445 32839 25220 84107 02335 32825
85431 62484 60403 24782 61647 20568 43871 16337 90320 70055
93884 67799 20661 93168 57031 14306 69505 44118 21844 44088
29925 16365 61404 91343 44100 00913 76969 95230 42044 88533
66677 72474 43149 00801 53737 91346 88422 34788 61512 59322
42408 87889 28736 33124 63727 21068 90165 78778 69466 86901
77995 90358 61919 24663 65421 38344 57174 09377 13719 80471
89616 61005 16555 12021 62261 26352 24952 69849 28008 53840
25316 82199 49491 62661 80518 54923 36189 33335 77936 000 000

17461/16161/14361 kHz, 14-10/17-10, 1500/1520/1540 UTC

413 413 413 1 5916 181 5916 181
47664 83461 11314 97639 79911 41988 55503 58271 00728 62630
35549 48293 76462 64879 97321 20888 19326 66229 75635 81052
59605 08977 42545 61242 08470 44277 54901 39126 89316 20110
06838 04627 16407 77726 05350 36297 92702 71188 68701 63368
94165 50650 95908 29127 56074 67208 02016 81575 99572 49819
01122 87951 90922 45350 23335 25129 68671 20792 97895 65299
11654 59009 59877 47936 38567 28860 13734 21610 34362 22229
06492 02368 79388 62291 92760 10229 18625 60184 93120 59024
53470 15617 21554 14347 48332 83884 27243 69658 27498 48876
85102 09434 48537 82464 99851 04503 70792 81918 77301 18504
32667 46427 98734 11778 75895 55581 32681 20940 35190 06531
29182 43479 07582 76847 88752 82855 61514 52396 48460 51281
14800 78501 90825 39256 24475 16831 56224 81858 91118 16532
65395 01813 70089 35579 82827 93655 07874 69885 43801 87101
28302 12280 23695 61039 76385 81977 70203 37612 14846 62727
85094 83334 43759 35015 25232 74519 15602 10878 11820 70578
93621 21720 38350 88586 90197 08070 72679 39734 13482 86626
33807 02850 59189 92629 47265 51182 59305 29248 08094 67910
89235 000 000

17461/16161/14361 kHz, 28-10/31-10, 1500/1520/1540 UTC

413 413 413 1 860 183 860 183
44006 41081 82937 27939 06155 90339 69244 88338 14461 47450
07590 66007 52342 15921 01470 72312 22573 42110 48237 10125
53015 64655 18229 92899 99656 84998 84613 17625 34871 55186
91068 70649 56254 31914 40726 24411 78212 88022 62642 60660
27415 56933 31252 95488 93501 22979 99727 84446 75118 67527
62424 75560 39204 07803 54182 98212 46112 85900 53688 52450
30534 18091 65562 07826 35288 83552 15886 91699 45848 36436
29863 11192 55750 59422 14547 08700 60080 44332 22744 86938
62660 73471 83029 37641 73612 03672 30369 26140 21732 27547
00521 68043 15177 13576 09572 20722 16196 90114 05023 96592
71973 88188 09537 91746 52757 59751 56611 72887 91351 56704
94878 47275 32363 73496 77638 90928 99348 92240 56577 23817
18864 94801 20387 79101 88131 13037 89303 61236 10473 94079
60813 64373 06909 77325 59763 30482 44510 19762 47945 57626
17045 69866 06405 99922 37789 62948 36724 16701 88356 98109
60626 08540 60026 25138 23648 79056 52143 18991 55042 04500
63593 45692 61592 28350 97335 76978 20044 07770 36318 75485
45508 31278 76972 77360 04913 49568 11382 64798 43345 65061
94980 65702 18535 000 000

17456/16291/14893 kHz, 1000/1020/1040 UTC**17456/16291/14893 kHz, 09-10/11-10, 1000/1020/1040 UTC**

428 428 428 1 1763 106 1763 106
02729 19973 69737 92979 87034 87941 32902 75225 16451 04420
19154 39338 83683 56011 16000 85204 35463 49431 29270 90885
22330 57897 26319 24694 75505 09421 85723 41206 58553 21505
15774 02662 33158 92253 50729 63497 70716 64818 83524 33578
71066 71554 74604 85671 00124 71486 93191 84732 94973 46564
41058 92709 74959 07670 96432 20065 03134 02818 47754 98939
39864 30880 53182 06203 83171 68635 81438 60810 59402 45919
70683 31956 65572 69690 39582 31930 81113 99312 81458 68763
32574 79611 01807 93607 63924 84669 89843 11044 11834 82053
16461 66531 38570 18962 05536 42546 00926 49130 11015 13334
64300 36851 31616 08826 60492 99994 000 000

17456/16291/14893 kHz, 23-10/25-10, 1000/1020/1040 UTC

428 428 428 1 3019 99 3019 99
42433 62164 96148 24052 77734 60533 65365 68939 84922 25813
17010 60243 76292 18834 97351 78584 54835 80506 99988 15413
64132 36124 28557 27195 27449 82439 22472 58270 64892 17059
31193 44630 60124 49305 87233 63863 48771 11647 91350 43578
74532 04349 33022 15964 45649 49614 33948 95227 81092 01397
18212 98890 59437 41163 07763 49522 12581 86528 95996 70884
88649 48427 51363 34855 40292 85090 17175 81736 12796 24344
56256 83844 86121 93581 27333 66884 02613 37594 55716 73115
00307 09040 81901 85516 47909 54680 36843 79194 72572 54793
16819 63257 09810 11336 27594 84271 70874 00602 66488 000 000

E11a

17410 kHz, 01-10/03-10, 0745 UTC

347/33 Attention
54810 19514 40247 53339 17763 50073 45076 80274 70784 19893
40519 98420 15424 95422 81691 62857 82604 25201 44641 15404
63692 07533 86521 49944 77430 04731 66913 05859 76201 23387
42657 49590 99236
Attention (message repeated) Out

19515 kHz, 06-10/08-10, 0715 UTC

752/34 Attention
77855 72948 13580 93164 45571 46043 62206 46924 45425 27535
39544 27309 58375 74771 40922 81946 62200 57844 04179 60832
22298 19549 39694 07167 77842 26170 25374 42498 80070 57095
19056 61439 19604 39399
Attention (message repeated) Out

12202 kHz, 06-10/08-10, 0845 UTC

718/38 Attention
32855 46650 49349 99422 14256 89827 27879 75360 03600 61304
17140 29273 69333 21723 21751 03756 06876 72880 45079 70625
21800 79335 12529 17562 71090 15320 86625 78265 70364 12308
20682 88051 75624 83845 88935 05876 60115 42247
Attention (message repeated) Out

12385 kHz, 06-10/08-10, 1045 UTC

690/26 Attention
01998 84430 03789 40428 92570 18417 22704 28836 13485 59536
96613 28097 81666 94388 79527 10108 94281 83764 23568 51006
94410 36092 47825 09435 14809 47528
Attention (message repeated) Out

22995 kHz, 07-10/09-10, 0745 UTC

225/33 Attention
20555 23834 62162 64712 37562 22497 76016 84274 58545 80246
00674 24975 43837 96882 18159 06785 81030 69212 29158 48107
68700 92080 49122 17706 64601 22538 82751 85958 93806 05031
36402 85063 66619
Attention (message repeated) Out

19184 kHz, 07-10/08-10, 0820 UTC

135/40 Attention
10713 56018 98770 09874 63934 15965 55871 10668 29385 60345
86115 74185 17141 30921 54758 83407 45112 71659 05239 93368
96711 75466 04698 10260 44861 21013 74479 53286 35484 89666
46321 04317 37631 20609 80699 47645 95927 33057 41677 29985
Attention (message repeated) Out

18168 kHz, 07-10/09-10, 0845 UTC

150/38 Attention

54015 92930 38354 15958 50620 13000 40491 19181 15564 85998
76213 54075 52259 67484 85000 33459 87127 48686 49725 45676
39661 87336 35421 20567 18570 64095 74750 58628 18801 78637
76243 91381 93980 57068 67435 86660 56727 44167

Attention (message repeated) Out

4181 kHz, 08-10/11-10, 1610 UTC

391/38 Attention

86646 92573 28639 18242 89700 79265 08217 19553 75504 78989
57348 75511 47471 59913 66077 64466 14809 81035 07109 65324
61551 55233 17871 43411 86621 29129 79231 74475 71115 58837
63070 51542 32799 48217 93228 25889 78977 66755

Attention (message repeated) Out

6923 kHz, 08-10/10-10, 1715 UTC

977/36 Attention

03095 35089 49165 22832 96120 27829 93834 55270 12000 18823
37445 13735 92869 76006 29783 42236 78657 16333 99839 15399
76870 90000 74953 92489 15385 40075 12461 92708 58825 85945
82440 38796 00132 66113 64627 66006

Attention (message repeated) Out

5737 kHz, 09-10, 2000 UTC

520/36 Attention

13584 99277 99481 65735 61659 32300 12575 93728 08606 06545
84078 21908 08475 92859 89894 11056 05718 76107 98294 56524
72553 46290 52499 42040 52940 68470 99308 80775 51004 31546
72594 25045 22404 81294 29721 83148

Attention (message repeated) Out

11116 kHz, 10-10/12-10, 1815 UTC

920/32 Attention

17775 13796 33929 74071 39326 01313 92513 47333 42063 62788
00891 15378 34169 30467 36180 69369 48767 63475 01308 83361
86469 37832 63408 01454 95459 96726 50114 32146 23248 15763
29851 36653

Attention (message repeated) Out

8530 kHz, 10-10/12-10, 1910 UTC

613/34 Attention

36989 74091 12804 83050 83081 47935 95413 29006 44387 66988
47687 61521 60375 10024 62980 84404 67227 37338 77346 22386
07608 45688 89931 52435 49772 00295 01726 76882 28474 88545
48351 85716 18211 83927

Attention (message repeated) Out

12630 kHz, 13-10/15-10, 0315 UTC

251/36 Attention

32749 18303 77949 47972 71859 75410 33880 00384 36084 07319
48133 01876 93503 20025 33544 78861 98798 60925 80849 39513
58277 40053 26594 83767 26609 93177 89486 58098 14891 14198
38740 92311 80489 32222 33246 55883

Attention (message repeated) Out

10800 kHz, 13-10/15-10, 0645 UTC

411/34 Attention

17732 33188 41754 68235 29635 74684 36267 60925 48798 16268
70708 19096 24926 22085 15862 54519 50362 13735 04348 57668
49138 60780 23620 12667 53042 95308 87561 48937 88139 76918
18271 97485 76520 58544

Attention (message repeated) Out

10213 kHz, 13-10, 0745 UTC

10330 kHz, 16-10, 1530 UTC

264/38 Attention

05782 78861 04429 30013 45502 54236 54299 45653 37190 30129
72066 27360 14438 30279 72423 22579 14970 12195 07858 53073
43685 84003 53105 51339 04676 78993 44835 34242 16481 18808
17856 67726 27924 17324 76851 59771 21685 03701

Attention (message repeated) Out

13117 kHz, 13-10/15-10, 0900 UTC

536/38 Attention

87951 46088 14996 02802 26778 26503 94558 14720 06293 29579
68719 11001 04118 85975 14537 83294 26158 19073 67559 30574
47006 59857 23237 21975 89715 52198 54526 36842 73334 33209
44039 04649 15652 32970 04898 24539 75813 80545

Attention (message repeated) Out

13470 kHz, 13-10/19-10, 1745 UTC

247/31 Attention

92845 02378 14577 54212 90164 84413 95368 79904 43845 08524
22236 92384 18579 32738 56631 70950 14939 43661 53826 87912
11722 48529 58413 84412 26090 15034 64774 96566 58957 47423
21937

Attention (message repeated) Out

13470 kHz, 14-10/16-10, 0645 UTC

518/32 Attention

75095 85323 92151 38376 43127 55070 54432 61714 05142 48523
39564 98789 14363 60142 20979 38849 73849 00835 67452 36169
24091 96905 52025 04168 66548 27668 89091 36702 12521 23383
69366 10129

Attention (message repeated) Out

14666 kHz, 14-10/17-10, 0715 UTC

630/35 Attention

32966 17362 00203 38175 72898 51100 33722 44295 06387 42201
42440 92601 34913 76740 42903 72669 80630 91055 55811 94288
39937 57863 45670 75600 76210 93570 04055 21424 31125 12755
38278 28963 30168 62663 71408

Attention (message repeated) Out

9951 kHz, 14-10/17-10, 1000 UTC

308/21 Attention

31020 65076 54639 34866 65902 42903 81526 63894 12576 23228
69873 46295 04532 47028 49410 51246 78507 44285 27927 58131
91121

Attention (message repeated) Out

14972 kHz, 14-10/18-10, 1430 UTC

911/34 Attention

07175 52641 78504 41977 54902 04685 75893 86416 57105 91883
29929 35415 37565 62439 57490 61677 55782 99378 12081 64646
04007 23653 28443 61404 02215 80291 76655 36181 13145 16474
80281 34210 60262 78156

Attention (message repeated) Out

5176 kHz, 14-10/19-10, 1605 UTC

236/31 Attention

88116 66883 17024 55372 36359 10992 68909 75641 79258 32815
13314 37092 47226 65808 57821 45115 66886 65770 48235 28921
82546 71189 20526 55969 20854 11259 36286 35872 32395 60497
61825

Attention (message repeated) Out

25839 kHz, 20-10/22-10, 0600 UTC

940/37 Attention

66755 35599 42787 56491 74846 34185 23666 15913 06257 29078
20855 75697 66317 38088 37639 66031 98316 51637 00726 95490
64986 89198 78497 45637 39737 02525 56345 81057 79687 27843
22669 32456 05450 10202 27215 00791 12803

Attention (message repeated) Out

5371 kHz, 20-10/23-10, 1300 UTC

319/31 Attention

81348 54190 45720 32732 61753 04757 88849 07402 96803 52093
65915 22824 44646 77372 73687 99972 00773 56852 80999 25821
13587 41053 94473 72729 47817 25821 03424 16586 70370 06367
91580

Attention (message repeated) Out

7317 kHz, 20-10/23-10, 1900 UTC

641/31 Attention

36527 36904 90955 66455 97447 18371 60624 86657 57493 48649
25458 39537 78597 71401 46345 22438 20096 28868 38356 87573
42886 22952 04211 22978 29810 85317 76975 26123 37807 03356
62140

Attention (message repeated) Out

8180 kHz, 21-10/23-10, 0700 UTC

571/40 Attention

45612 60383 08620 64615 50196 28059 92113 13266 39657 66094
67361 92312 57597 85534 21568 15874 27245 07524 29170 33164
43661 65114 32536 08609 28414 16677 14691 78193 45328 70701
96303 19791 88266 87266 85500 00612 19050 31133 76576 17759

Attention (message repeated) Out

9399 kHz, 21-10/22-10, 1205 UTC

466/34 Attention

50445 99621 79691 07988 59750 11706 81982 46003 99699 42425
47142 86943 36188 84952 16020 81488 93723 76513 50138 18005
09503 99500 92646 03650 65129 65631 29177 55362 50595 39463
90351 58712 05226 51332

Attention (message repeated) Out

9446 kHz, 23-10/24-10, 0720 UTC

436/35 Attention

95440 05960 24594 40767 14186 80511 58608 07818 46046 08804
99929 20143 17683 02022 20828 34315 15694 80587 38969 39430
63194 17402 97734 91070 30507 28328 61288 44541 92361 77930
40158 22941 51429 54691 75963

Attention (message repeated) Out

8680 kHz, 24-10/26-10, 0600 UTC

352/40 Attention

05380 25122 29522 36911 59976 74279 33915 00199 33919 70680
21433 39333 97665 00987 39649 25937 12573 80183 52397 19251
87873 50847 33512 51106 11959 27462 51478 99297 64556 87748
60433 53489 14195 50963 87624 63783 40239 03205 95860 21003

Attention (message repeated) Out

9079 kHz, 25-10, 0700 UTC / 9079 kHz, 26-10, 0700 UTC. No transmission

498/36 Attention

18488 52636 63562 11893 34621 86432 73510 11281 09878 37685
84266 63904 27078 21883 83326 41638 54856 88329 84207 19814
57658 85273 30891 92524 89032 38852 31165 73667 35429 04233
91682 98032 40728 62995 22163 02854

Attention (message repeated) Out

4505 kHz, 25-10/26-10, 1645 UTC

364/34 Attention

15823 11191 50377 41294 75872 11794 34780 67223 63053 60605
89878 24081 88019 19717 18118 82736 41646 08337 86114 63348
59010 13180 61436 70000 89317 90790 33400 00955 34742 42993
61134 93244 84048 77228

Attention (message repeated) Out

20170 kHz, 27-10/31-10, 0830 UTC

188/26 Attention

22362 36838 01963 86005 90161 20188 73976 29901 18377 51716
12438 31242 71784 71491 53225 14892 07191 53098 91285 68099
36755 18163 95204 70610 24535 19494

Attention (message repeated) Out

12530 kHz, 28-10/30-10, 1230 UTC

332/37 Attention

05639 67115 04332 26099 74921 05900 60765 45954 99366 18259
42500 30092 06847 04373 14883 40270 99374 02128 95737 90866
06866 16445 24996 45324 00265 61372 30837 20856 77949 28824
84004 51799 60562 67611 03952 05565 14900

Attention (message repeated) Out

6940 kHz, 29-10/30-10, 0930 UTC

279/36 Attention

73516 75044 12841 87254 22980 34574 58752 21927 17243 46341
86948 79115 81522 34887 53892 35421 32822 21815 05930 98545
68829 74636 38369 94221 17479 24981 03928 52508 65095 23702
67570 92238 11148 09231 31502 82037

Attention (message repeated) Out

S06**11616/9322 kHz, 01-10/02-10, 0400/0420 UTC**

480 351 29

30969 97913 04902 40254 39553 75864 17389 54154 55305 30702
96079 90727 56801 46487 92209 65826 96627 77728 11214 56054
79940 85928 14184 99805 38436 53168 04576 24580 35662
351 29

480 796 25

97547 10674 77786 73813 46526 49259 65251 14205 15681 90310
43273 50066 33417 19473 33215 28912 15794 84508 86160 42558
78901 25901 79709 29852 46252
796 25 00000

11616/9322 kHz, 03-10, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 06-10, 0400/0420 UTC. No transmission**11616/9322 kHz, 07-10, 0400/0420 UTC**

480 279 53

82599 26988 24269 53993 77347 83439 63735 55640 98470 10037
84348 10410 98715 82599 00631 43042 37301 50818 01533 75799
88415 72010 87974 59933 16292 85210 12045 15447 93772 92786
53810 58847 59327 41748 96642 23575 38045 21965 87095 02795
74340 23458 89800 69240 49918 19963 74687 51791 85427 70948
95142 78483 49244
279 53 00000

11616/9322 kHz, 08-10/02-10, 0400/0420 UTC

480 165 27
61584 15888 18160 67876 56204 61450 55053 31634 40901 61631
75290 08675 01368 20270 49896 88273 29762 02026 96575 05998
14145 73362 53387 55832 17878 93242 00958
165 27
480 923 25
07217 37947 51655 45038 38321 00507 39762 50301 74698 82272
08449 07761 05865 26100 10832 52215 72385 87660 02007 17814
13343 79043 00788 65492 42762
923 25 00000

11616/9322 kHz, 10-10, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 13-10/14-10, 0400/0420 UTC

480 756 52
83351 46010 35466 14264 44402 93522 44788 21914 99065 05071
74430 33465 92563 46478 27130 05648 98752 13082 84819 49369
53398 64832 17884 44749 23086 39613 45527 11717 51969 55730
91947 09615 53536 39491 67994 64244 39587 38822 33002 45791
03593 08859 76489 46061 00653 80443 04407 28475 91212 47477
19625 49256
756 52 00000

11616/9322 kHz, 15-10/16-10, 0400/0420 UTC

480 275 36
49310 62807 13108 88833 64507 32611 69379 97400 97956 25877
30550 01171 25070 96004 20320 77228 99112 23566 87719 76558
79183 99919 43917 01847 87966 59751 43655 08427 85212 92219
59760 70558 67878 85412 24148 80225
275 36
480 391 24
92041 56202 33967 63575 20429 98310 28461 71356 13453 22201
82687 20929 76540 28525 42454 29145 07806 52058 77707 01070
84291 11690 26236 17319
391 24 00000

11616/9322 kHz, 17-10, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 13-10/14-10, 0400/0420 UTC

480 756 52
83351 46010 35466 14264 44402 93522 44788 21914 99065 05071
74430 33465 92563 46478 27130 05648 98752 13082 84819 49369
53398 64832 17884 44749 23086 39613 45527 11717 51969 55730
91947 09615 53536 39491 67994 64244 39587 38822 33002 45791
03593 08859 76489 46061 00653 80443 04407 28475 91212 47477
19625 49256
756 52 00000

11616/9322 kHz, 15-10/16-10, 0400/0420 UTC

480 275 36
49310 62807 13108 88833 64507 32611 69379 97400 97956 25877
30550 01171 25070 96004 20320 77228 99112 23566 87719 76558
79183 99919 43917 01847 87966 59751 43655 08427 85212 92219
59760 70558 67878 85412 24148 80225
275 36
480 391 24
92041 56202 33967 63575 20429 98310 28461 71356 13453 22201
82687 20929 76540 28525 42454 29145 07806 52058 77707 01070
84291 11690 26236 17319
391 24 00000

11616/9322 kHz, 17-10, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 20-10, 0400/0420 UTC. 54 groups vs 53 announced

11616/9322 kHz, 21-10, 0400/0420 UTC. Correct group count

480 392 53 (20-10)

480 392 54 (21-10)

40114 74181 57008 19844 33787 08732 66434 79163 35392 61988

59949 88258 15326 68235 95467 44198 71419 54005 67541 04184

86913 96715 44288 88956 61274 47465 25126 90213 41010 53930

98995 80467 62722 44292 07758 48780 25524 58141 44453 10817

35059 35286 41112 66651 66279 98417 25807 04763 77186 90548

53626 75665 70717 53188

392 53 00000 (20-10)

392 54 00000 (21-10)

11616/9322 kHz, 22-10, 0400/0420 UTC. 1st msg 29 groups vs 28 announced, 2nd msg 25 groups vs 24 announced

11616/9322 kHz, 23-10, 0400/0420 UTC. Correct group counts

480 157 28 (22-10)

480 157 29 (23-10)

08632 64321 75169 21521 89346 11374 73834 61820 75625 16182

12501 66084 40556 03728 88815 61188 86760 03313 05213 13969

96734 43981 64807 04432 67649 72317 79104 58047 41576

157 28 (22-10)

480 369 24 (22-10)

157 29 (23-10)

480 369 25 (23-10)

49266 47557 51329 75427 65515 05834 91436 37473 72616 72491

14371 69803 69758 71477 54880 96249 01453 27185 19088 43194

53503 13031 71124 91523 06484

369 24 00000 (22-10)

369 25 00000 (23-10)

11616/9322 kHz, 24-10, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 27-10, 0400/0420 UTC

480 517 60

05786 65682 07871 54255 97887 72083 35649 03559 54175 90940

59923 89213 75638 23088 39225 50723 69045 23618 30347 53675

45416 38038 87853 81020 45165 71722 30088 56871 25841 72347

70123 95005 73398 30014 35091 89265 22944 24721 22332 88040

99891 75899 65790 20016 17469 73678 11108 63380 91499 96581

22848 75680 58425 45331 72274 26505 07466 47458 79150 00186

517 60 00000

11616/9322 kHz, 28-10, 0400/0420 UTC No transmissions

11616/9322 kHz, 29-10, 0400/0420 UTC No transmissions

11616/9322 kHz, 30-10/31-10, 0400/0420 UTC

480 639 25

74869 01183 20939 98072 87655 40803 86049 01564 09140 40144

01238 64331 29290 33293 33193 76152 53608 05855 75347 06216

13168 13845 86076 12878 07155

639 25

480 217 30

55827 57619 71093 12407 70668 55232 43286 29481 13831 46227

05317 30656 53627 08854 06891 31822 81300 33294 43730 10585

54873 34629 91109 17707 75111 26435 40618 04669 42065 97219

217 30 00000

S06c

16283 kHz, 16-10, 1007 UTC	11214 [R4m]
16283 kHz, 16-10, 1020 UTC	11214 [R4m]
12183 kHz, 16-10, 1030 UTC	11214 [R4m]

S06g

10755 kHz, 06-10, 0729 UTC 1200Hz test tones then S06 "975" once

10755 kHz, 06-10, 0745 UTC

975 95184 (R3m)

975 975 975 951 [28s silence] 75 975 975 95184

975 95184 (R1m) 624 30

06775 42404 10035 56198 54903 52164 03550 42941 62502 49706

39692 19229 88913 42073 80311 02489 37165 98863 20746 81098

82621 39266 43718 77639 57992 00820 81933 55605 55616 94616

624 30 00000

Full recomposed message:

975 95184 624 30

06775 42404 10035 56198 54903 52164 03550 42941 62502 49706

39692 19229 88913 42073 80311 02489 37165 98863 20746 81098

82621 39266 43718 77639 57992 00820 81933 55605 55616 94616

624 30 00000

S11a

23353 kHz, 01-10/03-10, 0725 UTC

380/35 Vnimanaye

50721 12384 07187 38576 46043 27095 91102 03070 55532 94541

23492 52667 70165 71984 12296 48409 08694 76838 84111 48258

88855 29533 13042 80960 40754 42267 76859 51652 93912 03068

97703 83021 36611 51894 57439

Vnimanaye (message repeated) Konets

6433 kHz, 04-10/05-10, 0830 UTC

377/33 Vnimanaye

26325 90479 21627 95966 83745 70736 24409 44185 72645 28568

04267 93050 05249 57135 59021 46480 44837 86901 42900 68476

69280 52188 11103 08686 77705 68691 27591 32407 05601 24192

83039 85804 34790

Vnimanaye (message repeated) Konets

8597 kHz, 13-10/16-10, 0700 UTC

472/34 Vnimanaye

40134 66658 55390 82235 09401 15237 86342 72583 82225 09727

91855 51100 48876 44469 62410 88825 00466 76849 27756 02904

23757 12275 44362 44318 35881 39008 70324 45469 75851 64985

98006 88744 27666 19950

Vnimanaye (message repeated) Konets

11420 kHz, 14-10/17-10, 1400 UTC

422/39 Vnimanaye

74337 98312 08070 47575 72999 23038 15717 46265 82506 80712

27973 88240 85688 42961 79453 65440 94726 85422 05662 46576

80947 52541 51647 84281 96344 70834 93681 70300 77945 14344

71414 78806 42220 30660 15747 83599 73233 69431 54714

Vnimanaye (message repeated) Konets

23004 kHz, 20-10/22-10, 0510 UTC

651/33 Vnimanije

49638 24292 95944 99978 18056 05354 72714 28573 80875 90147
17894 21109 92660 20211 75439 14068 04401 78065 38488 26007
17196 08434 42196 52566 04777 29977 73611 72259 18429 04111
64320 67691 59623

Vnimanije (message repeated) Konets

10728 kHz, 21-10/23-10, 0445 UTC

793/38 Vnimanije

27868 70077 92780 28313 38375 18208 36072 99802 76709 77986
54625 35108 37264 94869 63735 67397 18104 32447 18838 48512
99781 67293 89813 67226 10275 07165 23595 68314 56711 64620
87002 51333 41474 43985 91045 90899 80167 62525

Vnimanije (message repeated) Konets

10213 kHz, 22-10/25-10, 1850 UTC

282/39 Vnimanije

58959 94152 82960 34158 32034 02023 30008 46402 43629 57528
76752 02373 05395 36764 38794 71671 90699 28807 74775 79041
86576 08191 25374 32478 81172 34030 89374 21328 45362 05576
93940 74939 48940 23713 13261 33412 08747 12075 36133

Vnimanije (message repeated) Konets

6480 kHz, 27-10/31-10, 0915 UTC

487/40 Vinmainye

76034 08667 66552 39953 97017 80731 45116 06969 55598 57588
13212 88008 47444 07486 34853 61235 65856 68101 60357 53734
68068 35493 14832 21849 60065 80097 97921 81475 42573 28351
51379 71164 25730 51929 19206 16457 79741 07730 22194 44728

Vnimanije (message repeated) Konets

V07**18217/16317/15817 kHz, 05-10, 0500/0220/0240 UTC**

238 238 238 1 8114 76 8114 76

05241 22624 14693 41618 72370 63099 50979 57263 42236 87652
22898 28767 22710 30487 94098 63334 01460 76289 37679 90374
29204 25031 64587 44139 57986 72849 46541 49922 95269 95424
27944 76860 38352 71223 34424 15579 01698 51115 11167 96406
67721 89414 26527 13293 18207 22304 45021 09723 00880 99676
47258 30737 00372 27520 47890 17680 31018 80784 06879 32851
02690 40383 61186 26133 58423 15682 47592 33165 56628 81854
33250 90872 34422 26415 21615 91809 000 000

18217/16317/15817 kHz, 12-10, 0500/0220/0240 UTC

238 238 238 1 8353 116 8353 116

49276 44234 82907 55844 08798 36003 31088 46094 60974 71468
98394 53663 10689 90292 89518 55696 20306 59715 80436 91173
33012 18096 50452 87308 49554 87499 78226 06176 58409 87589
58216 86153 85835 46745 47166 03414 94730 38139 16639 38901
46356 73088 27532 36426 92069 38594 27322 08534 27610 66059
65926 00455 06985 82247 81197 42618 09567 67379 46151 65321
53592 65004 04895 98079 04381 55691 36923 90339 00914 48199
52633 22119 12852 73268 89558 48876 19249 49436 96786 66683
08576 86343 21459 75267 32205 55047 70106 99348 82902 16333
18607 22094 66644 05786 74571 75197 06331 53115 22948 37008
17583 27022 51612 43314 27702 30217 74873 31358 92002 39209
21439 04913 78366 79356 36129 36529 000 000

18217/16317/15817 kHz, 19-10, 0500/0220/0240 UTC

238 238 238 1 1396 101 1396 101
 26068 56723 01804 76656 61352 20086 90433 95911 85512 18972
 53952 93382 05951 36533 79149 75814 77820 21656 14015 18022
 76984 29352 89063 72482 94531 73731 15030 14780 23160 50991
 97562 48594 31017 13051 54022 60757 30718 64305 69009 30744
 05201 07829 67199 64209 80860 34304 04936 19022 49157 88345
 83716 20816 36157 37032 73429 10511 26925 37630 02283 00334
 58500 02944 34457 83252 31763 21546 63066 11403 51744 30361
 18966 28822 96197 61802 50846 65265 17452 11519 63176 33379
 93513 06723 92478 42732 00890 04078 93725 12413 10811 46006
 04053 43750 27427 30863 14199 77110 70017 69284 08750 83845
 11541 000 000

18217/16317/15817 kHz, 26-10, 0500/0220/0240 UTC

238 238 238 1 7595 120 7595 120
 18598 08167 13905 19531 18502 00063 02581 01108 20995 74183
 33352 74597 95334 88145 62649 09066 35444 85516 09210 21773
 84104 14081 91275 03558 19609 18409 53203 79459 43571 58977
 32845 97098 64781 90132 97808 29434 90483 04928 54342 90950
 30448 99977 00769 09621 67298 06854 59420 74125 06247 47274
 32544 37543 08823 79649 83348 73742 36729 21668 81576 64304
 37375 07004 05166 95541 22196 68545 84810 77210 06500 96553
 28322 44748 46374 44697 24034 53753 18183 21728 48493 16710
 37280 74087 19965 66394 63585 75904 35023 51966 29453 51280
 81832 87324 76182 96744 96820 85459 80887 79138 02831 29309
 22433 37595 43773 26145 23017 11542 28287 12646 01747 94293
 76500 08065 47729 10281 84876 88458 11325 61314 06725 77332
 000 000

MORSE STATIONS**M01****5020 kHz, 02-10, 2000 UTC**

463 559 559 30 30 = =
 25435 64534 09876 37656 48765 93089 36532 98765 36545 84765
 35423 53768 94875 09373 46553 90003 21145 46356 88936 76587
 64534 48767 98764 23787 37654 93733 22117 47645 09833 64537
 = = 559 559 30 30 000

6260 kHz, 04-10, 1500 UTC. Sent only 29 groups

463 778 778 30 30 = =
 84933 85931 33721 89409 89580 94038 19032 90947 78484 89403
 95049 89504 32415 85940 85849 67374 85903 19278 17362 89890
 78593 73497 78401 79401 74893 19403 77489 44738 88391
 = = 778 778 30 30 000

6510 kHz, 05-10, 0700 UTC

463 803 803 30 30 = =
 78940 92018 89048 74639 90592 90592 10584 90392 95380 84730
 89039 94005 89847 78741 89401 58473 89554 88463 84910 84837
 89301 98401 83721 13579 24680 80531 08524 97531 98048 48089
 803 803 30 30 30 000

5475 kHz, 07-10, 1800 UTC. Different repeats in red

463 501 501 30 30 = =
 21345 (3x) 54635 44635 54635 52364 54364 65475 75432 75485 75432 85438 85437 75332
 43756 65746 65748 85746 65748 85746 65748 85746 65743 65743
 33475 65746 65748 85764 85746 65748 84394 95834 85940 05948 85748 74348
 = = 501 501 30 30 000

5474 kHz, 09-10, 1800 UTC

463 055 055 30 30 = =
 86058 06574 35546 06675 81645 52717 45261 05567 00564 72645
 06756 15356 61536 61847 91747 61647 14536 78186 82550 00563
 55037 91774 72995 52756 82758 52647 15460 65748 62756 05564
 = = 055 055 30 30 000

5020 kHz, 09-10, 2000 UTC

463 869 869 30 30 = =
 65035 00564 18675 05638 05564 10758 00555 53109 26574 06754
 65504 65742 05564 65748 76604 81656 34165 05637 15474 61853
 00563 91645 81646 81946 91371 93716 64891 05553 85635 06145
 = = 869 869 30 30 000

6510 kHz, 12-10, 0700 UTC. Odd message. Many identical groups

463 (R2m5s) 1m37s silence 463 (R42s) 056 056 30 30 = =
 34758 85432 85432 75843 85432 75832 85732 75843 85743 38475
 34543 85748 85493 85948 85948 95948 85948 85948 85948 85348
 39485 85493 83475 53443 85743 75847 75849 95843 75849 95847
 = = 056 056 30 30 000

5475 kHz, 14-10, 1800 UTC

463 543 543 30 30 = =
 34231 46534 90988 46354 00987 32543 98456 90987 42312 77890
 34231 77664 90987 35423 11554 78654 01876 14431 89098 35423
 13321 98456 23412 46534 25431 46665 90876 24311 24316 64534
 = = 543 543 30 30 000

5020 kHz, 16-10, 2000 UTC

463 461 461 30 30 = =
 79371 37481 37894 37189 47381 78482 89104 95013 84913 85941
 90958 37819 74819 57564 47388 55748 29238 10804 85939 87859
 89103 57081 39103 94038 49103 89038 10684 48421 49301 67831
 = = 461 461 30 30 000

6260 kHz, 18-10, 1500 UTC. Errors in red

463 195 195 30 30 = =
 18765 **198765** 09876 12345 72654 47776 **477764** 57357 09098 **09093** 47654 47654 53423
 13765 03039 57456 49098 **243111** 24311 **444476** 44476 09098 46677 84888 27655
 11554 37676 47470 46543 09088 21212 32324 45678 49900 33221
 = = 195 195 30 30 000

6510 kHz, 19-10, 0700 UTC. Wrong repeat in red

463 576 576 30 30 = =
 14231 45454 60098 76545 90987 45678 30987 46789 04765 **047765** 34655
 25432 57465 69098 68765 90786 44898 46543 79098 57876 59089
 47876 49876 49090 46678 46787 59876 35666 37887 46534 49992
 = = 576 576 30 30 000

5475 kHz, 21-10, 1800 UTC. 33 groups vs the announced 30 groups

463 642 642 30 30 = =
 38756 30978 25436 55768 13342 50989 58769 46573 50978 39870
 27658 33876 60986 46578 11978 37658 11980 47688 25436 68687
 47654 30978 40978 36545 13241 47658 40989 47688 39800 75876 37687 29870 22657
 = = 642 642 30 30 000

5020 kHz, 21-10, 2000 UTC. 33 groups vs the announced 30 groups

463 714 714 30 30 = =
 49857 66786 25434 13209 48789 37683 15411 30909 38769 44653
 10966 20988 47685 24312 30968 48765 29809 33765 26453 37658
 16534 40978 33987 08977 16546 33876 59867 36524 10928 28769 39870 48766 22765
 = = 714 714 30 30 000

5474 kHz, 23-10, 1802 UTC. Different repeat in red

463 552 552 30 30 = =
23847 75432 75434 85432 75843 75483 75849 95349 95432 95043
83475 75847 75847 75849 95847 75843 75847 75849 87533 **78533** 75847
03945 85694 00534 95043 95049 05934 95049 95043 05934 95041
= = 552 551 30 30 000

5020 kHz, 23-10, 2000 UTC

463 552 552 30 30 = =
23847 75432 75434 85432 75843 75483 75849 95349 95432 95043
83475 75847 75849 95847 75843 75843 75849 95843 43457 75843
34857 75847 75849 95843 75849 95843 75849 95843 75843 75847
= = 552 552 30 30 000

6260 kHz, 25-10, 1500 UTC

463 (2m19s data stream) 458 458 30 30 = =
98678 30917 38376 56382 30978 14325 57689 47658 98090 58799
44987 15432 27658 40984 33657 98709 37658 98132 48766 70989
48756 25434 10980 48476 59870 68756 37658 36451 48769 09089
= = 458 458 30 30 000

6510 kHz, 26-10, 0700 UTC. Different repeats in red

463 996 996 30 30 = =
37655 15436 **15416** 58709 13265 49709 85766 49809 37644 59687 16534
46456 75678 39887 57612 35456 48769 09895 38759 37658 11543 **1543**
55879 36545 28769 09987 37657 16475 69876 33098 69807 36544
= = 996 996 30 30 000

5474 kHz, 30-10, 1800 UTC. Different repat in red

463 765 765 30 30 = =
16543 36543 89009 45465 14432 17667 48487 90900 33663 35432
14432 16669 38397 00177 85345 10934 54576 12345 96543 85746
98876 43211 46465 48765 95844 36798 **38798** 29099 45676 17654 36997
= = 765 765 30 30 000

5020 kHz, 30-10, 2000 UTC

463 677 677 30 30 = =
34265 47589 68790 46352 38476 10987 32114 56574 49056 45677
10098 46378 49055 78966 54327 98700 68800 76543 77665 54389
61289 98077 49881 68854 28965 00655 59173 50431 78906 34367
= = 677 677 30 30 000

M12

12135/11452/10627 kHz, 1900/1920/1940 UTC

12135/11452/10627 kHz, 01-10, 1900/1920/1940 UTC

573 573 573 1 1382 57 1382 57
82437 50456 59572 38485 17340 25587 60334 08621 12002 56235
67303 29267 01621 01202 53846 37387 14448 78995 24557 35148
88264 69678 26114 08955 18905 70834 57227 54749 03178 49227
39171 73152 67209 22454 20383 81026 28590 91228 05148 83149
50191 16865 88184 99958 94487 87032 57334 04455 75873 01459
58271 52570 77359 84609 32241 12759 24342 000 000

12135/11452/10627 kHz, 08-10, 1900/1920/1940 UTC

573 573 573 1 2024 55 2024 55
65749 56189 94553 32585 33977 53705 29892 87874 12953 41888
24093 24267 90240 54965 65611 83074 66621 92937 41881 11023
28450 14687 56218 82272 26436 84601 07418 39505 56079 36525
87101 51318 43198 47714 44951 07656 94359 10404 62540 90128
94112 25112 22929 99905 51920 72974 75737 38238 18216 82986

42320 23340 54342 27244 21691 000 000

12135/11452/10627 kHz, 15-10, 1900/1920/1940 UTC

573 573 573 1 3197 58 3197 58
58463 98953 56997 83667 06403 99788 61122 30034 33352 11341
05532 09482 09327 48366 23982 91058 37904 67564 11470 21294
81478 28072 64309 36517 67231 88836 80141 38429 44476 66197
45151 89806 94304 37618 70487 86895 24058 73228 19981 24812
82297 14417 18914 44541 89128 80755 52154 61684 59874 07607
29291 45021 55908 91223 06913 30391 34643 20479 000 000

12135/11452/10627 kHz, 22-10, 1900/1920/1940 UTC

573 573 573 1 8179 54 8179 54
30988 98105 67673 38262 49422 10535 39595 02554 32947 62385
73182 26399 98495 33888 47594 02490 49292 83809 31669 50807
70655 15350 57732 48751 54935 71108 30862 90507 62757 97242
84510 78644 47603 02434 43425 92508 13480 23850 98293 38610
97034 12385 04373 48306 57571 40262 55368 72281 81497 25564
99581 18560 32495 40317 000 000

12135/11452/10627 kHz, 29-10, 1900/1920/1940 UTC

573 573 573 1 (too weak to copy)

12135/11452/10627 kHz, 1900/1920/1940 UTC

12135/11452/10627 kHz, 04-10, 1900/1920/1940 UTC

573 573 573 1 9554 59 9594 59
61417 28160 12667 75305 19840 98020 29083 99348 69517 97233
10829 82434 29576 18285 69138 12580 54093 24566 39685 80565
06698 34275 85831 71870 97478 04215 74707 82224 73880 71726
11647 55655 41428 08524 84113 05975 91551 29978 75020 04513
64492 24190 99245 43564 41507 44816 06291 66405 32070 11462
11510 34041 25218 18550 33329 27141 42327 40795 77826 000 000

12135/11452/10627 kHz, 11-10, 1900/1920/1940 UTC

573 573 573 1 9815 55 9815 55
49614 78972 88484 96116 83346 59679 83146 38375 09878 49218
75088 39029 72122 78066 52187 86668 65871 52837 28801 43566
18073 56108 13322 27519 58591 92740 23025 86413 95064 37043
00045 08979 47343 06732 47163 69240 34994 45088 92852 94628
86780 59869 61883 75824 65631 32450 00786 44831 04714 36197
66047 73781 22829 72992 35188 000 000

12135/11452/10627 kHz, 18-10, 1900/1920/1940 UTC

573 573 573 1 2230 57 2230 57
45178 42915 91715 34086 40015 27028 04683 27600 59423 77305
75472 36442 89246 14699 93202 12403 75032 32798 26334 84406
98365 42242 14064 09678 33362 13386 84122 71928 23089 80786
73477 05413 83055 76591 98723 90357 62150 82922 03247 52531
76840 41583 24431 58506 29691 77017 59133 76215 47168 41659
94948 15446 55397 73777 79117 72934 28850 000 000

12135/11452/10627 kHz, 25-10, 1900/1920/1940 UTC

573 573 573 1 8007 52 8007 52
87918 57353 67717 22687 39914 20954 61700 51489 45206 62025
84769 20946 96094 79852 99501 68398 45608 94174 78399 17004
89074 17782 26422 30033 80917 84285 84441 56661 06516 45378
36862 07361 09267 55397 19066 04960 19508 28051 20149 73912
82545 15560 77277 65283 61222 52068 26143 45339 08804 07597
84567 16029 000 000

11564/10487/9319 kHz, 1800/1820/1840 UTC

11564/10487/9319 kHz, 02-10, 1800/1820/1840 UTC

258 258 258 1 6019 76 6019 76
15996 29404 89855 82369 42389 02989 75101 19289 59286 72161
55868 68005 57090 50412 33116 18139 88449 84419 68878 43136
19587 80340 95281 31884 52260 15722 42580 17395 78569 99616
47583 06159 46747 00704 35463 86741 08954 30745 01791 24809
71880 32536 32087 81463 18880 22008 93120 46179 33647 24332
02120 69180 99053 31826 00170 35654 34121 57970 30108 26666
60408 57705 40718 59669 24577 49708 21258 56385 14949 46374
09185 57703 82628 44069 71255 87049 000 000

11564/10487/9319 kHz, 16-10, 1800/1820/1840 UTC

258 258 258 1 2739 76 2739 76
80581 07829 24501 17628 35732 19452 72408 07920 31221 50938
41539 97456 29824 88817 11543 51942 33762 29897 45890 34930
63653 54119 97308 78902 54435 34740 30317 96774 23517 22031
42725 10180 91591 38259 11060 39902 66645 50929 80399 24237
67790 00144 08612 83933 77981 71240 15131 10992 41765 94912
63766 41559 98296 02218 52271 26461 10519 45597 63192 00991
89134 75632 84401 09189 08213 31359 05864 91563 77756 71640
85296 82831 49497 21652 67138 63508 000 000

11564/10487/9319 kHz, 23-10, 1800/1820/1840 UTC

258 258 258 1 1659 80 1659 80
88464 82838 71817 30628 86619 46412 92685 12837 77560 26071
89937 23026 91468 73684 14587 24477 33613 32544 24012 02661
59317 33552 80505 02408 88500 42623 38604 24797 76543 06462
63554 98577 06330 07853 84777 72532 57480 48738 37316 70303
50856 90041 82504 60241 18404 94557 46476 47394 83728 27938
32425 96620 92258 73395 92386 54911 02332 69408 42126 43995
07808 67887 36292 71098 62516 91358 16695 83615 88906 42054
66996 84873 95227 53707 51804 69274 51047 20264 84003 93942
000 000

11564/10487/9319 kHz, 30-10, 1800/1820/1840 UTC

258 258 258 1 5146 76 5146 76
99264 36319 20063 14429 80847 67740 46922 02612 87927 27777
97617 66631 34971 08939 04535 93167 46416 18444 51124 40671
28646 13230 75151 43709 31727 14182 97170 72548 10331 99926
48763 90106 37718 84539 79010 26982 42468 80170 83745 54939
52346 99100 37390 95767 43617 83070 02827 24576 61444 15488
56284 34639 87757 04057 81454 86033 61167 76353 82701 66659
70569 74373 92279 87999 79013 07501 28913 50431 29927 77551
50698 65244 34698 96184 88324 29545 000 000

7976/9152/10312 kHz, 2100/2120/2140 UTC

7976/9152/10312 kHz, 03-10/04-10, 2100/2120/2140 UTC

913 913 913 1 5094 195 5094 195
42791 40874 01361 23957 15941 37500 18769 43323 59776 66465
63843 77464 11492 87938 98832 01638 69224 03553 29301 23554
72234 55159 29353 65352 77870 94340 50214 71750 71865 21127
45436 01861 09695 40182 04840 38802 04305 29925 66223 97885
02780 74223 40535 10635 57096 75230 45583 18309 95259 95579
43159 54813 21619 10021 45164 79168 85868 24487 44352 75816
53933 37437 51348 51913 86199 39984 45240 06884 66124 08594
56509 86046 72705 43035 27104 08488 71706 78210 99290 54860
58110 75365 43392 40487 69452 35158 43726 69600 41480 60170
03027 24395 82781 76438 44396 51176 23598 07931 61495 43622
41663 14101 84542 69463 57526 69515 26948 72746 21461 63215
09864 80133 68818 72873 50069 76736 61396 55250 71444 19476

17827 52210 76056 71011 21974 18007 95889 09204 52473 50277
08705 07367 52148 04704 58366 52813 48735 60908 37739 75310
26005 11907 09980 38397 10039 10244 50554 56363 87676 58325
54789 43699 94971 75229 74601 37415 71383 50057 02185 37865
82609 22938 84033 70185 17906 65793 86273 89396 73812 07621
45379 92386 73725 55624 07947 32947 17879 59381 38920 75510
16033 06420 71696 34174 80697 81109 55692 34793 11067 98299
38300 87306 62139 48216 67903 000 000

7976/9152/10312 kHz, 10-10/11-10/17-10/18-10, 2100/2120/2140 UTC

913 913 913 1 3538 171 3538 171
39330 49257 78341 19443 23317 62213 97344 74670 71732 75837
70795 73772 13918 23943 93968 64671 80738 76000 10717 04858
18017 87496 43521 12288 15041 95707 49645 33787 90980 71813
70546 96109 45075 35774 28435 51101 84318 57611 07695 38941
34873 24119 69617 41497 50515 95223 28534 89321 38592 06350
30074 90292 37289 91872 33174 56412 01550 84576 52251 28339
54345 64361 05490 32722 13229 75477 52599 16665 85025 78173
67362 55882 50351 31766 95401 51229 25127 43863 71704 05716
27331 30152 14103 87523 95372 19028 97069 51082 91726 41531
22761 65057 51481 18081 72225 50243 53957 35904 78229 88429
98297 56618 02725 09398 55189 25770 62551 02161 93970 18338
51766 82097 09255 37661 07311 78884 10936 59248 10151 73338
61274 58891 06232 63643 49675 79223 96150 66338 08621 36178
53122 00831 44011 58159 39189 27186 44597 43649 34235 42369
04582 76322 13594 88713 90071 74000 47915 05444 35272 78844
32461 36564 86898 93168 90935 85660 65178 98306 64495 54712
25118 75764 49897 12151 67003 31949 74769 27796 57826 65726
64225 000 000

7976/9152/10312 kHz, 24-10/25-10/31-10, 2100/2120/2140 UTC

913 913 913 1 7882 207 7882 207
33886 68577 16357 36594 28961 26214 60330 92354 06966 43801
62239 45159 35575 12471 84901 91171 26912 20993 95894 98908
89167 16930 26345 21364 31282 89440 12123 88676 61109 26009
44267 63601 21801 51661 79321 41362 27829 91614 10158 46089
98432 46598 91614 96537 86288 76069 08223 69027 83937 81850
82244 77290 29694 64919 58255 96843 49225 61134 27008 26033
91990 87729 46468 73413 92418 98028 25303 31698 68707 07621
04579 75750 91216 06033 51842 89586 90299 31757 80114 95785
06265 88813 13031 37593 66997 84496 94811 26608 75245 44552
92256 59188 71100 90320 08750 54476 98273 28440 76414 32403
23539 03746 31124 52013 72984 46323 83701 32782 53971 39362
41191 31359 16398 63593 81398 66529 42904 62761 62029 81295
88057 28373 54087 12028 34309 81356 17626 28135 88730 84339
56448 58882 05307 73265 04401 88940 67268 86117 21174 32219
26701 22644 68964 71169 35196 75727 46685 40865 33074 91054
25637 76005 96155 03126 23174 39258 25052 87948 96368 08263
52255 83312 22817 13704 78898 31633 76197 61180 32596 43442
61239 46910 15894 49121 19199 04406 63733 47889 78537 19231
93967 82130 40840 98361 18545 74318 40753 20796 89607 03366
69681 11953 05727 90714 72483 29122 37161 82285 95366 33603
70613 97405 79754 44247 79525 65048 19112 000 000

10936/10356/9153 kHz, 0800/0820/0840 UTC
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10936/10356/9153 kHz, 03-10, 0800/0820/0840 UTC

931 931 931 1 9488 178 9488 178
60912 92196 16916 85083 30283 53184 76819 32237 54324 54568
28100 49575 57796 69539 56899 61812 51924 54879 80967 04070
54942 94382 73646 41534 04860 14309 75913 42794 14500 56278
93645 83009 44655 85166 38195 56505 47560 50809 19045 48030
84644 61157 87486 69048 65307 70732 11618 27435 10269 15500

26900 78798 94423 47567 93352 03777 23529 70857 59209 47230
78464 73081 15799 69363 98188 43594 52569 11059 02813 21036
84481 59764 90908 67156 53535 64071 79220 66131 78854 91447
93682 87259 43314 29058 23007 02991 98008 01769 19834 88947
37930 63167 49994 83412 15317 70142 90061 90997 07064 77074
43542 85112 89492 61301 26175 61445 14554 41677 01228 50984
95335 38924 46481 72502 64545 04618 45227 38195 36468 03904
31243 83596 83520 32715 59109 05582 25907 23042 16328 02752
04157 57641 46103 92620 07602 85040 65709 66099 00248 99324
24702 31170 40765 00151 88435 78901 06542 16057 73882 95042
09642 81117 28999 79042 22553 78464 34560 20127 97522 32420
02057 70195 03847 85190 17355 15392 92409 26585 00305 50482
81997 35260 63113 06480 88084 99388 16561 95456 000 000

10936/10356/9153 kHz, 06-10/10-10, 0800/0820/0840 UTC

931 931 931 1 8584 118 8584 118
73296 20830 08833 19053 80231 10579 13004 13570 25515 44654
81042 58583 13322 97712 86497 74336 87646 37644 26670 57396
52796 44169 27401 12597 23562 90276 34181 81204 54507 48724
92887 52748 19586 62020 60690 08104 63895 81755 01503 44987
77326 96324 26027 86290 62314 74842 74953 03128 52301 75061
85601 49110 71629 67847 60803 75882 00078 91495 85589 37051
81412 21398 09117 88544 69954 70466 38206 03688 36669 75569
04796 27977 62669 25791 92580 40278 80909 43445 03651 67633
60237 79995 72428 57399 02354 58937 45366 26177 73030 33609
18144 10597 98623 45505 50181 72433 24872 82458 42007 07054
62685 47387 92520 24144 01358 87203 37852 19652 15177 50300
21090 91798 03474 99853 02979 87243 77226 82366 000 000

10936/10356/9153 kHz, 13-10/17-10, 0800/0820/0840 UTC

931 931 931 1 6130 157 6130 157
87442 11585 26554 10740 13118 23930 25639 69913 02786 15205
53564 66432 85693 63601 79030 14276 87753 77753 67600 25531
99049 63360 26220 64359 69337 99462 73826 96072 81007 83717
82230 76139 37964 22555 19535 82290 70984 52129 94927 18032
80357 90823 43432 97551 32709 15843 71699 60254 07257 89283
95924 91333 43543 29791 45426 44708 59367 46189 00616 94972
19810 96045 12103 65538 94255 35284 50931 63206 44951 17097
96541 11527 07126 74532 96461 43990 66652 50068 19944 62653
85716 22545 73195 84104 77257 41113 33043 95921 37490 72827
23585 68850 58224 58640 01462 72795 56116 52525 32557 21086
26478 39926 76875 03909 98704 93148 60518 37317 58941 71903
41016 25700 34371 44607 88477 03688 56948 93591 66150 78024
51948 35133 08560 14697 93753 74363 11919 77182 72883 76747
85765 87066 24264 75363 46842 70331 41183 60504 34036 95800
36942 32204 00573 51848 71791 12159 27636 31944 34014 25066
50385 32284 95615 18005 23006 74120 48029 000 000

10936/10356/9153 kHz, 20-10/24-10, 0800/0820/0840 UTC

931 931 931 1 5251 165 5251 165
44312 92185 58201 51206 60628 25921 99911 38107 45351 16144
22793 42538 55452 08899 37405 17629 36211 74760 12574 08729
86123 76434 08345 15750 53617 15732 11593 61824 36320 10993
42494 73664 78249 40800 40372 75357 83821 12728 99832 18912
07906 69517 89012 27730 06575 90933 71411 03816 56940 93042
63681 29896 64871 98034 21757 80828 60507 78182 80880 65518
70612 37268 47615 22731 37804 55101 04987 44171 68187 28566
21821 57201 85860 40978 96195 69015 07197 52376 87738 80770
43045 66662 07502 54871 55182 72699 95569 67132 18391 70713
95576 85778 72440 13502 41260 10397 74675 54742 30377 01497
27386 69676 33850 47139 79200 67493 37998 51536 58940 45499
34128 31162 24490 29482 32336 25085 86657 78683 35702 18574
70357 73966 29487 55695 00673 07046 77755 29982 15638 48810

78842 96472 47080 32570 03382 57630 61958 48080 86562 20488
40694 53310 82177 65460 97171 39146 38327 81898 69539 27414
34911 22743 94219 97836 48506 29755 31317 63636 46488 04838
20011 79983 27974 38223 67638 000 000

10936/10356/9153 kHz, 27-10/31-10, 0800/0820/0840 UTC

931 931 931 1 4401 187 4401 187
67348 30997 15538 17711 50387 66671 31200 31695 86996 81898
08270 24845 25776 58188 26425 86479 74710 04945 47742 64569
17247 61945 97757 81946 14883 42459 05879 84819 31004 03134
13267 61693 11764 01678 67857 51860 54518 47138 70960 63190
00736 08933 61198 98135 25573 55243 39346 23923 56326 58140
78172 01440 77272 07310 77903 57916 51560 90221 76424 22952
29971 26083 83752 23568 62925 05408 37359 28292 79898 39603
16319 94460 38567 88843 82845 39080 01325 80754 64332 15671
72119 14928 30635 69356 32580 61632 06779 05330 46409 42258
23445 01416 13704 81427 71534 51625 91400 38806 74821 35176
93355 36065 81506 47506 24767 92357 76366 01560 79431 07987
71228 11133 51708 11661 65044 42027 11924 37432 23513 52986
43929 49793 55390 31909 48520 05750 64325 87203 06549 20987
22874 86635 60079 18068 33825 76689 32900 55200 92648 97296
36434 86389 66701 43186 47106 20489 02556 33747 87191 53924
05169 42123 57502 77328 74695 86226 41522 78847 53595 80984
28482 39633 21964 68924 54299 74044 43596 13327 77986 39268
74525 72473 65253 23540 08489 94013 60341 45357 47632 52113
82250 10302 65922 77083 45507 26370 35838 000 000

10318/9218/8118 kHz, 2000/2020/2040 UTC

10318/9218/8118 kHz, 06-10/09-10, 2000/2020/2040 UTC

178 178 178 1 1708 138 1708 138
25266 73672 56323 12762 05083 09455 08112 29644 46006 38464
71627 42164 70884 34817 98593 81538 02668 26555 80396 49924
62709 16249 35541 55057 38441 52423 29295 91969 36284 06948
77417 75135 61462 11215 17704 51167 35028 54025 25244 09600
35690 30751 04315 64749 75646 68950 17662 17128 94381 99420
31999 80261 89681 74681 99608 81243 51159 25853 64970 16103
12809 14447 07299 35042 21107 73388 36268 28309 88513 58499
63876 02197 69151 86070 41656 06349 81309 00240 25668 30516
87519 32181 25165 70843 57836 67150 38255 90548 05423 93638
47791 92299 69539 94111 53317 71337 19074 95799 74339 75865
26909 46105 92193 30069 49320 55667 67997 92656 97113 21572
24812 60454 53599 92229 21836 52579 44227 50882 98291 87400
18196 18701 36467 52395 40111 81044 02634 91825 51088 67841
87187 82156 75024 99364 13036 51291 65987 34687 000 000

10318/9218/8118 kHz, 13-10/16-10/23-10, 2000/2020/2040 UTC

178 178 178 1 880 261 880 261
10124 40113 88677 33933 39630 86833 05699 76236 26102 87079
91866 30498 99805 08823 97489 39780 23549 59181 75859 19968
48061 28287 65015 49545 54635 93100 62944 37392 44116 81578
71873 84112 80737 32847 25915 22612 69376 03952 60558 18604
78687 96689 88484 32898 59725 17063 58054 37302 68571 25126
58484 38234 70293 30878 89573 56461 71321 76289 35116 37613
19014 64352 80859 24286 43243 47342 13973 38860 46815 54840
39778 21023 47124 45782 44440 78098 60655 72129 76633 72997
44252 04918 58060 97689 99294 88436 72019 48098 33272 95688
35958 70361 34188 70588 17509 65380 86468 19851 13038 94021
09160 02757 70215 30427 50898 29640 68543 30870 43804 56796
18313 65596 35780 96756 34772 75623 40497 10041 01094 03947
23156 54799 21642 66398 80964 89689 48119 34936 54515 65717
39936 25624 34922 95227 75474 92710 41778 40746 84687 15901
57245 87802 28416 14300 58746 13081 25171 34341 19802 39592

40657 28852 19151 81886 13371 53573 30521 55539 71158 39919
93123 11781 75714 31563 99106 55095 74774 79596 39093 46608
59721 71687 52797 21214 96967 94541 21454 72838 44208 34310
32396 79877 43211 32903 24681 91576 65013 75874 09432 10701
44890 27138 41683 15055 11368 78264 43469 55475 83669 54436
80701 16344 73571 79590 48717 12761 65531 38994 57124 69874
35904 17239 99263 89029 51427 43669 81650 10284 02854 51088
42250 42766 86087 07622 61162 98676 05166 07475 34564 48501
08247 50068 06362 61809 92695 10818 13894 88887 58332 70676
59729 09199 48864 47728 50988 21769 45543 50552 32716 78548
33139 99947 96612 55752 07997 36673 84759 55135 20345 44092
19439 000 000

17437/15937/14537 kHz, 0300/0320/0340 UTC

17437 kHz, 07-10, 0300 UTC

495 495 495 1 8252 176 8252 176
47078 71057 96304 43869 89226 89109 18337 94600 63659 60275
62352 20915 02583 51973 04400 58941 87601 93436 75394 55458
86189 63542 17052 47068 80645 95650 50743 67965 72753 91298
37225 58416 36734 03441 22082 60215 53727 07271 46439 58262
21452 44047 49694 9169_ 44694 70246 88977 17915 67571 71360
93494 79137 66407 79498 71733 57438 66082 60216 81022 91809
88539 13080 24780 07418 62176 23629 16983 01935 98046 59921
58786 17790 69670 06181 53487 10303 67410 34996 38498 49027
77971 84058 27889 18700 17727 99213 71823 00011 03459 74881
80626 50203 28623 78393 27552 00941 76954 77841 33947 29994
92548 88044 30787 24709 33424 22573 04170 97733 17829 80257
03384 74079 28485 17666 92182 27375 27957 70041 88321 90855
94473 59313 88097 96184 73707 44064 46343 16798 10053 25659
36989 67482 88375 48136 56354 78367 01936 98834 31063 03295
07434 43155 60442 67656 54417 79296 67709 31235 46294 44_23
82430 08112 66679 24180 80939 92834 51653 51299 90270 75154
75799 00404 49669 39066 07298 94439 04112 30416 29268 54543
99629 73857 5242_ 55629 95489 79594 000 000

17437 kHz, 28-10, 0300 UTC

495 495 495 1 8137 192 8137 192
12782 28266 95595 87440 55465 81823 84265 06458 41686 54697
86426 45284 21871 97782 23186 08827 73614 02057 38754 22139
45067 57453 66910 08591 61649 68611 74486 01402 38075 90442
78247 06211 04303 37439 16814 62954 09522 43416 64826 42258
11328 81649 56401 90081 08507 37601 90814 50674 96633 37711
39865 27216 83450 36865 85994 58942 50241 56221 93348 89169
67506 08929 57277 24372 90157 90888 26399 54398 26603 40696
78458 61556 39737 70969 46964 38085 59482 19104 86104 61479
55023 57315 37982 76290 42483 42670 25337 36009 48488 73259
41397 03769 84810 69017 01476 17630 81291 41812 14020 19326
60483 14954 72260 56513 83619 27917 09040 77950 96569 77222
75288 28630 82422 47286 91965 93647 18056 57315 24295 81570
35235 42012 08700 52528 08140 00430 66286 19425 08487 71251
75710 19302 43229 24920 95259 18342 98351 29121 81938 71243
93325 84944 89376 29006 84924 64709 77481 79830 61769 63184
66376 23249 55958 44510 32250 84315 66882 83717 96794 72324
26910 00238 91347 43165 22264 59001 01186 84214 16390 16994
95447 35884 77203 45563 46873 57104 24364 67941 01981 64912
48520 02970 94749 88112 32773 20188 07288 93490 83415 29160
01707 23143 000 000

10713/11568/12165 kHz. 1100/1120/1140 UTC

10713/11568/12165 kHz, 07-10. 1100/1120/1140 UTC

657 657 657 1 3931 63 3931 63
55324 52402 87259 83222 09168 43839 62117 48620 87150 78737
15398 71227 65065 53396 93772 25740 78431 98924 77611 64763
25800 75294 72251 61468 94180 61629 45444 29943 59939 99320
97285 44192 40556 19381 97194 36142 68562 83991 91219 10123
27357 90972 37802 94841 70721 91351 63525 01954 89867 11971
37089 01069 24323 14728 62011 80028 80150 25790 89041 47538
98393 32174 88679 000 000

10713/11568/12165 kHz, 14-10. 1100/1120/1140 UTC

657 657 657 1 3151 57 3151 57
06381 31339 14044 55715 13351 87881 15667 38866 26125 80992
85293 61149 55258 03518 77132 99033 90418 91995 33221 17657
35571 71846 84085 40163 70729 17285 95392 92356 13006 64388
62153 51482 92848 82512 94649 31364 22226 19219 55974 61215
15705 16131 68460 00075 97366 03518 00872 31447 76849 87223
36343 88757 26574 32858 88208 34534 47253 000 000

10713/11568/12165 kHz, 21-10. 1100/1120/1140 UTC

657 657 657 1 5060 50 5060 50
75813 59825 60723 74150 71756 32542 56399 62491 11601 77716
90878 29918 84006 06634 18849 02397 33099 17809 89222 30516
81095 23220 66551 45655 06603 33025 91424 97157 39672 94770
84109 12850 35757 54351 18684 11860 73528 45254 36551 81222
05182 73454 14059 03568 08137 76566 88461 61188 10947 18371
000 000

10713/11568/12165 kHz, 28-10. 1100/1120/1140 UTC

657 657 657 1 5729 56 5729 56
00572 58228 17152 61066 95969 22498 00349 41702 97346 24798
49633 72536 92850 86170 83348 21313 87286 48749 60318 25486
12700 90377 98265 73978 83418 15742 33628 31208 52661 53609
49494 85905 84201 15218 28198 60411 16586 19056 11775 16722
65440 81810 12158 85501 26316 62001 65006 40190 04684 05480
20138 49003 78594 99357 00641 10193 000 000

11135/10235/9235 kHz, 1900/1920/1940 UTC

11135/10235/9235 kHz, 08-10/10-10, 1900/1920/1940 UTC

122 122 122 1 823 98 823 98
59575 15552 91768 80683 24006 04276 75889 10021 69561 53057
35857 42380 81067 21030 76870 13690 36657 45662 66705 53885
24714 62144 44914 48633 75624 68347 48417 79057 64224 37933
15978 66729 36627 36175 06677 83843 98509 23179 01561 97180
76604 47195 97345 89089 37705 12371 84716 79745 51930 00704
58805 29709 24831 84088 93518 49168 29713 91673 70216 44059
84029 26512 62138 37672 85024 68371 12190 21203 39989 41593
59561 58437 30566 26748 50461 29396 48489 39305 93435 41673
19754 01435 51557 33628 11571 03823 67452 97423 03238 32672
75195 68094 79926 94621 79954 84209 52756 74591 000 000

11135/10235/9235 kHz, 22-10/24-10, 1900/1920/1940 UTC

122 122 122 1 2496 201 2496 201
63560 00440 63617 92544 38848 86774 90277 57309 31565 45059
66506 89260 20608 19526 77328 43590 23462 76998 24692 56946
54352 57301 32598 38762 51945 51926 00271 30912 44124 99185
98944 79996 53599 14389 12875 24582 41121 35623 70829 58029
27229 30877 62890 84471 18549 05427 63592 26794 16871 62072
56179 16201 81682 06095 49056 59499 33798 85267 24513 23420
39265 85784 53400 64504 85583 76241 93278 25216 64724 91295

96269 96162 13371 86924 59860 01421 96496 15614 23206 01434
 21424 79145 56651 84890 29995 81070 69556 35944 47845 53854
 59885 37274 59464 90895 17681 04854 40544 22430 20560 55745
 00479 10030 66640 43986 21538 32251 35891 35580 63409 69706
 07212 05819 61877 18132 00152 57257 21048 57443 48658 24649
 38789 81384 58432 69180 25273 74188 02393 12731 09025 56646
 36427 49414 68365 71837 60751 79382 92492 85207 60963 30757
 47965 01273 64500 61246 71104 69490 98219 44032 09656 43749
 45003 62785 16833 16852 21499 91509 80901 76780 80260 18992
 63261 82757 19967 93905 77588 84448 81076 55622 28566 90670
 66923 36494 16420 13374 10392 96112 47273 96428 19385 46859
 94328 96334 69509 24500 42506 65540 01815 73883 46466 08003
 54565 25196 71644 07036 82456 82975 80924 01274 71888 08426
 16714 000 000

11135/10235/9235 kHz, 29-10, 1900/1920/1940 UTC

Not heard

11135/10235/9235 kHz, 31-10, 1900/1920/1940 UTC

Not heard

M14

12211 kHz, 01-10, 0500 UTC

952 (5x) then inverted morse, restart at 0505z

952 348 348 25 25 = =
 65266 88471 66210 30192 85159 53391 76964 09172 78264 70790
 27532 00869 36048 81082 10392 94711 15777 96266 88826 98593
 89317 12660 04364 94825 16640
 = = 348 348 25 25 52
 952 671 671 34 34 = =
 41013 93717 63768 68472 98258 73561 82159 11668 47278 68160
 24038 72402 42337 73713 69781 24516 87369 58591 79780 37614
 43660 70513 74048 93861 07555 93812 62312 57952 (1x) off

10243 kHz, 01-10, 0520 UTC. Same message sent twice

952 348 348 25 25 = =
 65266 88471 66210 30192 85159 53391 76964 09172 78264 70790
 27532 00869 36048 81082 10392 94711 15777 96266 88826 98593
 89317 12660 04364 94825 16640
 = = 348 348 25 25
 952 348 348 25 25 = =
 65266 88471 66210 30192 85159 53391 76964 09172 78264 70790
 27532 00869 36048 81082 10392 94711 15777 96266 88826 98593
 89317 12660 04364 94825 16640
 = = 348 348 25 25 00000

12211 kHz, 02-10, 0500 UTC

Not monitored

10243 kHz, 02-10, 0520 UTC

No transmission

12211 kHz, 03-10, 0500 UTC

Not monitored

10243 kHz, 03-10, 0520 UTC

952 952 952 00000

12211/10243 kHz, 06-10/07-10, 0500/0520 UTC

952 607 607 54 54 = =
 77681 97652 03247 73998 37076 01243 01843 07986 01020 35808
 73017 76217 06999 04964 90786 03437 27057 85509 97035 63498
 27606 70221 34226 36657 24643 87690 63360 93133 70316 78906
 65634 95130 31776 35266 51221 34504 48251 27686 23619 48255
 77279 81533 73006 79045 66042 77026 97034 72927 08732 79823
 72505 31455 75888 31468
 = = 607 607 54 54 00000

12211/10243 kHz, 08-10/09-10, 0500/0520 UTC

952 134 134 50 50 = =
12523 83568 38118 83559 79751 58076 23871 85349 88480 73971
31290 95646 73455 03681 91029 85376 52553 27880 37897 60678
91992 30269 28547 69636 33739 03373 13757 84895 02316 51318
97059 10584 33187 00525 30930 86997 89915 54236 33712 91472
62279 51841 29866 58885 62527 18917 43935 70220 61971 18933
= = 134 1350 50 50
952 860 860 9 9 = =
43076 54954 67483 39308 86725 02324 83059 76360 95491
= = 860 860 9 9 00000

12211/10243 kHz, 10-10, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 13-10/14-10, 0500/0520 UTC

952 (R4m) 4m8s silence 713 713 54 54 = = (13-10, 0500z)
952 713 713 54 54 = =
03665 10213 50205 34318 39997 40871 67130 30361 43622 07588
01403 93738 63446 35738 59070 25553 34343 21537 05466 48743
27341 76739 57446 12992 92877 38667 02278 32926 70560 12756
79123 39303 63867 39810 84070 47883 03228 05151 84623 75652
45917 31849 54608 59107 86206 25227 65431 54270 74206 60813
94612 23137 66838 32945
= = 713 713 54 54 00000

12211/10243 kHz, 15-10/16-10, 0500/0520 UTC

952 460 460 31 31 = =
02121 20772 71170 63764 29283 92297 22885 70400 90958 84081
03424 04141 29645 01169 75782 43811 33682 31325 84135 12012
99743 51254 53680 18110 66522 88778 70273 00145 43048 58153
25781
= = 460 460 31 31
952 738 738 24 24 = =
45434 63315 35999 34686 23809 69675 34280 28697 57959 16275
23367 38861 53835 27856 76955 58544 77654 07459 44975 86099
39710 74198 36273 07038
= = 738 738 24 24 00000

12211 kHz, 17-10, 0500 UTC

Not monitored

10243 kHz, 17-10, 0520 UTC

952 952 952 00000

12211/10243 kHz, 20-10, 0500/0520 UTC

12211 kHz, 21-10, 0500 UTC

10243 kHz, 21-10, 0520 UTC. Started late with group 17

952 847 847 60 = 60 = (20-10)
952 847 847 60 60 = = (21-10)
64163 80162 43230 70708 77815 31988 71236 10512 52554 68556
89854 89417 10830 52008 34174 79823 74374 64704 59533 51067
28132 97649 27374 17467 54213 89009 41590 38801 28056 73669
40052 96674 93983 29755 70986 95191 62337 33074 08918 59389
95386 55402 89840 29860 74193 67547 70319 77002 63620 33151
40205 97649 27374 17467 54213 89009 41590 38801 28056 73669
847 847 60 60 00000

12211/10243 kHz, 22-10, 0500/0520 UTC. 1st msg 24 groups vs 23 announced, 2nd msg 32 groups vs 31 announced

12211 kHz, 23-10, 0500 UTC. No transmission. Series of beeps at 0504z

10243 kHz, 23-10, 0520 UTC. Correct group counts

952 610 610 23 23 = = (22-10)
952 610 610 24 24 = = (23-10)
51972 43359 85435 40195 54264 42885 86967 85237 55744 78409
39097 87862 25938 50563 84996 39013 69928 11597 95071 11486
30574 45205 09844 93123

= = 610 610 23 23 (22-10)
 = = 610 610 24 24 (23-10)
 952 478 478 31 31 = = (22-10)
 952 478 478 32 32 = = (23-10)
 28997 00436 89772 77677 50778 46483 12663 90056 75646 52379
 83409 17608 19899 93137 19738 37218 84257 28786 78885 95598
 79885 78208 45584 42942 65447 48170 95919 45984 81128 47202
 85510 22635
 = = 478 478 31 31 00000 (22-10)
 = = 478 478 32 32 00000 (23-10)

12211 kHz, 24-10, 0459 UTC 952 952 952 00000
10243 kHz, 24-10, 0520 UTC No transmission

12211 kHz, 27-10, 0500 UTC Callup briefly FSK CW, then normal CW: 862 468, then carrier, 32s silence, restart
10243 kHz, 27-10, 0520 UTC

12211/10243 kHz, 28-10, 0500/0520 UTC No transmissions
 952 361 361 57 57 = =
 56892 82448 51328 61868 73649 94655 68829 03504 11336 25096
 03226 47281 93407 72363 29089 49144 89979 14066 44604 25680
 87285 72845 95367 41859 70111 47321 22893 22307 21917 31423
 55005 72052 72310 70535 80329 17681 46583 27902 74033 04843
 96973 59711 67042 13034 20363 22322 75886 73615 92084 60047
 35389 01983 70528 46944 01365 79830 52241
 = = 361 361 57 57 00000

12211/10243 kHz, 29-10, 0500/0520 UTC
 No transmissions

12211/10243 kHz, 30-10, 0500/0520 UTC
12211 kHz, 31-10, 0500 UTC
10243 kHz, 31-10, 0520 UTC. No transmission

952 487 487 25 25 = =
 42345 94565 36973 44427 28253 52442 85145 64690 53813 37698
 79853 86136 29389 01346 47133 68809 79491 62391 39311 35835
 02240 98914 59163 37988 10964
 = = 487 487 25 25
 952 130 130 25 25 = =
 91136 05974 99187 70966 36277 09190 01971 14014 75203 12397
 11557 83109 93578 04231 47755 35472 43404 49164 30268 31309
 09176 62037 70090 84557 30388
 = = 130 130 25 25 00000

Test transmission

11073 kHz, 06-10, 1131 UTC Two series of fast beeps
11073 kHz, 06-10, 1145 UTC
 352 974 974 16 16 = =
 46287 51401 72730 35820 46803 70905 20009 46694 01996 93087
 72456 68844 73549 61009 93586 35934
 = = 974 16 352
 897 897 40 40 = =
 95025 46201 43086 73501 85227 15669 19737 88363 42869 46990
 24233 11915 74096 11009 86358 45891 26627 16498 75929 44125
 68427 72308 57298 03848 37976 07436 33420 04749 33299 84925
 59148 94217 31952 70571 28463 42227 59162 42330 65308 14273
 = = 897 897 40 40 00000

M23

12170	01-10-2025	1500	M23	CW	(AB)	8 (R16m)
12170	01-10-2025	1520	M23	CW	(AB)	8 (R16m)
12170	01-10-2025	1540	M23	CW	(AB)	8 (R16m)
12170	01-10-2025	1600	M23	CW	(AB)	8 (R16m)
12170	01-10-2025	1620	M23	CW	(AB)	8 (R16m)
12170	01-10-2025	1640	M23	CW	(AB)	8 (R16m)

Other transmissions were noted since ca 26 October:

10352 kHz, 0931 UTC

6806 kHz, 1831 UTC

5182 kHz, 2231 UTC

M51a / M51b



6824 kHz, 29-10, 1421 UTC, USB

Several interruptions in the Morse signal, Windows 10 "Background" system sound, test voice recording repeated in full or part many times, French male voice: "Test radio, lundi, mardi, mercredi, jeudi, vendredi, samedi, dimanche, test radio."

Comments by PY: Yes, FAV22 does transmit as 6824kHz J2A USB MCW, not as 6825 kHz ICW. It should be obvious just looking at the spectral signature which clearly matches an audio channel, but apparently that's not obvious to everyone. This is proof.

The prerecorded test sample just enumerates the days of the week - pretty boring. Good to see that the French military runs a modern operating system, and not like, Windows XP...

The FAV22 simulcast on 3880kHz had signal interruptions too which somewhat matched those on 6824 kHz, but not always exactly; however no voice or other audio there.

M89 - Chinese Military

5205.5 kHz, 22-10, 1833 UTC

i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =

5761 kHz, 24-10, 1220 UTC

i.p. FFF NR 008/EX 0821 =

B1LA/FM5H AR 583/3950/3666/36/72/3665/372/B AR 383/3346/36855/63...AR .

46/36666/379/3926/41/77/78/8/364/70 AR

8888 kHz, 28-10, 1118 UTC

FFF NR 001/EX 1920 RMKS 8220 TO 8223 BT NP34/CSZ4 AR (x3)

FFF NR 034/EX 1925 RMKS 8223 TO 8220 BT BC3Y/AE4H AR (x3)

FFF NR 003 CK 49 33 1028 1929 RMKS 8223 TO 8220 =

See also the logs section for more logs.

M95 - Chinese Military

JP logged a number of typical M95 combi logs, meaning the callup in Chinese voice, then Q26, followed by M95 and although not logged, V26 should follow M95. The same messages are sent in all modes.

4542//6876 kHz, 04-10, 1130 UTC Callup in Chinese voice //4542 kHz

4542//6876 kHz, 04-10, 1134 UTC Q26: 4+4 QPSK 75/1000 LSB Message

4542//6876 kHz, 04-10, 1143 UTC M95: CW. V BNGC DE XS30 - NR 0941 CK 601 35 1004 1536 =

More of these in the Logs section.

UM04 - PROMRCh

4735 kHz, 01-10, 0700 UTC

VVV VVV PROMRCh = 01 10 =

1000 0920 0960 1100 1540
1200 0970 1010 1140 1550
1400 1000 1040 1060 1580
1600 0970 1010 1130 1560
1800 0970 1020 1160 1620
2000 0780 0810 0920 1250
2200 0600 0620 0690 0930
0000 0550 0560 0620 0800
0200 0520 0530 0580 0750
0400 0500 0510 0560 0740
0600 0470 0490 0560 0770
0800 0760 0810 0950 1350

= ABV

VVV VVV PROMRCh = 01 10 =

1000 0920 0960 1100 1540
1200 0970 1010 1140 1550
1400 1000 1040 1060 1580
1600 0970 1010 1130 1560
1800 0970 1020 1160 1620
2000 0780 0810 0920 1250
2200 0600 0620 0690 0930
0000 0550 0560 0620 0800
0200 0520 0530 0580 0750
0400 0500 0510 0560 0740
0600 0470 0490 0560 0770
0800 0760 0810 0950 1350

= AR

4735 kHz, 02-10, 0700 UTC

VVV VVV PROMRCh = 02 10 =

1000 0930 0970 1110 1550
1200 0980 1010 1150 1560
1400 1010 1040 1160 1590
1600 0980 1020 1150 1570
1800 0990 1030 1170 1630
2000 0790 0820 0930 1260
2200 0610 0630 0700 0930
0000 0550 0570 0620 0810
0200 0520 0530 0590 0760
0400 0500 0510 0570 0740
0600 0470 0490 0560 0780
0800 0770 0810 0590 1360

= ABV

VVV VVV PROMRCh = 02 10 =

1000 0930 0970 1110 1550
1200 0980 1010 1150 1560
1400 1010 1040 1160 1590
1600 0980 1020 1150 1570
1800 0990 1030 1170 1630
2000 0790 0820 0930 1260
2200 0610 0630 0700 0930
0000 0550 0570 0620 0810
0200 0520 0530 0590 0760
0400 0500 0510 0570 0740
0600 0470 0490 0560 0780
0800 0770 0810 0590 1360

= AR

4735 kHz, 03-10, 0700 UTC

VVV VVV PROMRCh = 03 10 =

1000 0950 0990 1130 1570
1200 1000 1030 1160 1590
1400 1020 1050 1180 1600
1600 1000 1030 1170 1590
1800 1000 1040 1190 1650
2000 0790 0810 0920 1250
2200 0600 0620 0690 0930
0000 0550 0570 0620 0800
0200 0520 0540 0590 0760
0400 0500 0510 0570 0740
0600 0470 0490 0560 0770
0800 0780 0820 0960 1380

= ABV

VVV VVV PROMRCh = 03 10 =

1000 0950 0990 1130 1570
1200 1000 1030 1160 1590
1400 1020 1050 1180 1600
1600 1000 1030 1170 1590
1800 1000 1040 1190 1650
2000 0790 0810 0920 1250
2200 0600 0620 0690 0930
0000 0550 0570 0620 0800
0200 0520 0540 0590 0760
0400 0500 0510 0570 0740
0600 0470 0490 0560 0770
0800 0780 0820 0960 1380

= AR

4735 kHz, 04-10, 0700 UTC

VVV VVV PROMRCh = 04 10 =

1000 0940 0980 1130 1570
1200 1000 1030 1170 1590
1400 1020 1060 1190 1610
1600 1010 1050 1180 1610
1800 1010 1040 1190 1650
2000 0780 0810 0910 1240
2200 0600 0620 0690 0920
0000 0550 0560 0620 0800
0200 0530 0540 0590 0760
0400 0500 0510 0560 0740
0600 0470 0490 0550 0770
0800 0780 0830 0970 1390

= ABV

VVV VVV PROMRCh = 04 10 =

1000 0940 0980 1130 1570
1200 1000 1030 1170 1590
1400 1020 1060 1190 1610
1600 1010 1050 1180 1610
1800 1010 1040 1190 1650
2000 0780 0810 0910 1240
2200 0600 0620 0690 0920
0000 0550 0560 0620 0800
0200 0530 0540 0590 0760
0400 0500 0510 0560 0740
0600 0470 0490 0550 0770
0800 0780 0830 0970 1390

= AR

4735 kHz, 05-10, 0700 UTC

VVV VVV PROMRCh = 05 10 =

1000 0950 0990 1130 1580
1200 1010 1040 1180 1610
1400 1040 1070 1200 1630
1600 1030 1060 1200 1630
1800 1020 1060 1200 1670
2000 0780 0800 0900 1200
2200 0590 0610 0680 0910
0000 0550 0560 0620 0800
0200 0530 0540 0580 0760
0400 0490 0510 0560 0730
0600 0460 0480 0550 0750
0800 0780 0830 0970 1400

= ABV

VVV VVV PROMRCh = 05 10 =

1000 0950 0990 1130 1580
1200 1010 1040 1180 1610
1400 1040 1070 1200 1630
1600 1030 1060 1200 1630
1800 1020 1060 1200 1670
2000 0780 0800 0900 1200
2200 0590 0610 0680 0910
0000 0550 0560 0620 0800
0200 0530 0540 0580 0760
0400 0490 0510 0560 0730
0600 0460 0480 0550 0750
0800 0780 0830 0970 1400

= AR

4735 kHz, 06-10, 0700 UTC

VVV VVV PROMRCh = 06 10 =

1000 0960 0990 1140 1600
1200 1020 1060 1200 1630
1400 1050 1080 1210 1650
1600 1040 1080 1210 1660
1800 1030 1070 1210 1680
2000 0780 0800 0900 1230
2200 0600 0610 0680 0910
0000 0550 0560 0610 0790
0200 0520 0530 0580 0760
0400 0490 0510 0560 0730
0600 0450 0470 0540 0750
0800 0790 0840 0980 1410

= ABV =

VVV VVV PROMRCh = 06 10 =

1000 0960 0990 1140 1600
1200 1020 1060 1200 1630
1400 1050 1080 1210 1650
1600 1040 1080 1210 1660
1800 1030 1070 1210 1680
2000 0780 0800 0900 1230
2200 0600 0610 0680 0910
0000 0550 0560 0610 0790
0200 0520 0530 0580 0760
0400 0490 0510 0560 0730
0600 0450 0470 0540 0750
0800 0790 0840 0980 1410

= AR

4735 kHz, 07-10, 0700 UTC

VVV VVV PROMRCh = 07 10 =

1000 0960 1000 1150 1610
1200 1030 1070 1210 1650
1400 1060 1100 1230 1660
1600 1050 1090 1230 1680
1800 1030 1080 1220 1700
2000 0770 0800 0900 1230
2200 0590 0610 0680 0900
0000 0540 0550 0610 0790
0200 0520 0540 0590 0760
0400 0490 0510 0560 0730
0600 0450 0470 0540 0740
0800 0800 0840 0990 1430

= ABV

VVV VVV PROMRCh = 07 10 =

1000 0960 1000 1150 1610
1200 1030 1070 1210 1650
1400 1060 1100 1230 1660
1600 1050 1090 1230 1680
1800 1030 1080 1220 1700
2000 0770 0800 0900 1230
2200 0590 0610 0680 0900
0000 0540 0550 0610 0790
0200 0520 0540 0590 0760
0400 0490 0510 0560 0730
0600 0450 0470 0540 0740
0800 0800 0840 0990 1430

= AR

4735 kHz, 08-10, 0700 UTC

VVV VVV PROMRCh = 08 10 =

1000 0970 1010 1160 1620
1200 1040 1080 1220 1670
1400 1070 1110 1240 1680
1600 1070 1100 1240 1700
1800 1040 1080 1230 1700
2000 0770 0800 0900 1220
2200 0590 0610 0670 0900
0000 0540 0560 0600 0790
0200 0520 0540 0590 0770
0400 0500 0510 0560 0730
0600 0450 0470 0540 0740
0800 0800 0840 0990 1430

= ABV

VVV VVV PROMRCh = 08 10 =

1000 0970 1010 1160 1620
1200 1040 1080 1220 1670
1400 1070 1110 1240 1680
1600 1070 1100 1240 1700
1800 1040 1080 1230 1700
2000 0770 0800 0900 1220
2200 0590 0610 0670 0900
0000 0540 0560 0600 0790
0200 0520 0540 0590 0770
0400 0500 0510 0560 0730
0600 0450 0470 0540 0740
0800 0800 0840 0990 1430

= AR

4735 kHz, 09-10, 0700 UTC

VVV VVV PROMRCh = 09 10 =
 1000 0980 1020 1170 1630
 1200 1100 1090 1240 1690
 1400 1080 1110 1250 1700
 1600 1080 1120 1260 1720
 1800 1040 1080 1230 1700
 2000 0770 0790 0900 1200
 2200 0590 0610 0670 0890
 0000 0550 0560 0610 0790
 0200 0540 0590 0760
 0400 0500 0510 0560 0740
 0600 0450 0470 0530 0740
 0800 0810 0850 1000 1440
 = ABV
 VVV VVV PROMRCh = 09 10 =
 1000 0980 1020 1170 1630
 1200 1100 1090 1240 1690
 1400 1080 1110 1250 1700
 1600 1080 1120 1260 1720
 1800 1040 1080 1230 1700
 2000 0770 0790 0900 1200
 2200 0590 0610 0670 0890
 0000 0550 0560 0610 0790
 0200 0540 0590 0760
 0400 0500 0510 0560 0740
 0600 0450 0470 0530 0740
 0800 0810 0850 1000 1440
 = AR

4735 kHz, 13-10, 0700 UTC

VVV VVV PROMRCh = 13 10 =
 1000 0980 1020 1180 1650
 1200 1080 1110 1270 1740
 1400 1080 1120 1260 1720
 1600 1090 1130 1280 1760
 1800 1030 1060 1200 1630
 2000 0730 0760 0850 1170
 2200 0550 0560 0620 0830
 0000 0520 0530 0580 0750
 0200 0510 0520 0570 0750
 0400 0480 0500 0550 0720
 0600 0430 0450 0510 0700
 0800 0800 0850 1000 1450
 = ABV =
 VVV VVV PROMRCh = 13 10 =
 1000 0980 1020 1180 1650
 1200 1080 1110 1270 1740
 1400 1080 1120 1260 1720
 1600 1090 1130 1280 1760
 1800 1030 1060 1200 1630
 2000 0730 0760 0850 1170
 2200 0550 0560 0620 0830
 0000 0520 0530 0580 0750
 0200 0510 0520 0570 0750
 0400 0480 0500 0550 0720
 0600 0430 0450 0510 0700
 0800 0800 0850 1000 1450
 = AR

4735 kHz, 10-10, 0700 UTC

VVV VVV PROMRCh = 10 10 =
 1000 0980 1030 1170 1650
 1200 1070 1110 1250 1710
 1400 1090 1120 1260 1710
 1600 1080 1120 1270 1730
 1800 1030 1080 1210 2650
 2000 0760 0790 0890 1210
 2200 0580 0600 0670 0880
 0000 0540 0550 0610 0780
 0200 0530 0540 0590 0760
 0400 0500 0510 0560 0740
 0600 0450 0470 0530 0730
 0800 0810 0850 1010 1450
 = ABV
 VVV VVV PROMRCh = 10 10 =
 1000 0980 1030 1170 1650
 1200 1070 1110 1250 1710
 1400 1090 1120 1260 1710
 1600 1080 1120 1270 1730
 1800 1030 1080 1210 2650
 2000 0760 0790 0890 1210
 2200 0580 0600 0670 0880
 0000 0540 0550 0610 0780
 0200 0530 0540 0590 0760
 0400 0500 0510 0560 0740
 0600 0450 0470 0530 0730
 0800 0810 0850 1010 1450
 = AR

4735 kHz, 14-10, 0700 UTC

VVV VVV PROMRCh = 14 10 =
 1000 0970 1020 1180 1660
 1200 1070 1110 1260 1740
 1400 1080 1110 1250 1720
 1600 1090 1130 1280 1770
 1800 1020 1060 1190 1630
 2000 0720 0740 0840 1150
 2200 0540 0550 0620 0820
 0000 0510 0520 0570 0740
 0200 0500 0510 0570 0730
 0400 0480 0490 0540 0710
 0600 0420 0440 0500 0690
 0800 0800 0850 1000 1450
 = ABV
 VVV VVV PROMRCh = 14 10 =
 1000 0970 1020 1180 1660
 1200 1070 1110 1260 1740
 1400 1080 1110 1250 1720
 1600 1090 1130 1280 1770
 1800 1020 1060 1190 1630
 2000 0720 0740 0840 1150
 2200 0540 0550 0620 0820
 0000 0510 0520 0570 0740
 0200 0500 0510 0570 0730
 0400 0480 0490 0540 0710
 0600 0420 0440 0500 0690
 0800 0800 0850 1000 1450
 = AR

4735 kHz, 11-10, 0700 UTC

VVV VVV PROMRCh = 11 10 =
 1000 0970 1020 1170 1650
 1200 1070 1110 1250 1720
 1400 1080 1120 1260 1710
 1600 1080 1120 1270 1740
 1800 1030 1070 1200 1640
 2000 0750 0780 0880 1200
 2200 05 off. Restart after 1m56s
 VVV VVV PROMRCh = 11 10 =
 1000 0970 1020 1170 1650
 1200 1070 1110 1250 1720
 1400 1080 1120 1260 1710
 1600 1080 1120 1270 1740
 1800 1030 1070 1200 1640
 2000 0750 0780 0880 1200
 2200 0570 0590 0650 0870
 0000 0540 0540 0600 0780
 0200 0520 0530 0590 0760
 0400 0490 0510 0560 0730
 0600 0440 0460 0520 0720
 0800 0800 0850 1000 1450
 = ABV
 VVV VVV PROMRCh = 11 10 =
 1000 0970 1020 1170 1650
 1200 1070 1110 1250 1720
 1400 1080 1120 1260 1710
 1600 1080 1120 1270 1740
 1800 1030 1070 1200 1640
 2000 0750 0780 0880 1200
 2200 0570 0590 0650 0870
 0000 0540 0540 0600 0780
 0200 0520 0530 0590 0760
 0400 0490 0510 0560 0730
 0600 0440 0460 0520 0720
 0800 0800 0850 1000 1450
 = AR

4735 kHz, 15-10, 0700 UTC

VVV VVV PROMRCh = 15 10 =
 1000 0970 1010 1170 1660
 1200 1070 1110 1260 1750
 1400 1070 1110 1250 1720
 1600 1090 1130 1280 1770
 1800 1010 1050 1180 1620
 2000 0710 0740 0830 1140
 2200 0530 0550 0610 0810
 0000 0500 0510 0570 0730
 0200 0500 0510 0560 0730
 0400 0470 0480 0540 0710
 0600 0410 0430 0490 0680
 0800 0800 0840 1000 1450
 = ABV
 VVV VVV PROMRCh = 15 10 =
 1000 0970 1010 1170 1660
 1200 1070 1110 1260 1750
 1400 1070 1110 1250 1720
 1600 1090 1130 1280 1770
 1800 1010 1050 1180 1620
 2000 0710 0740 0830 1140
 2200 0530 0550 0610 0810
 0000 0500 0510 0570 0730
 0200 0500 0510 0560 0730
 0400 0470 0480 0540 0710
 0600 0410 0430 0490 0680
 0800 0800 0840 1000 1450
 = AR

4735 kHz, 12-10, 0700 UTC

VVV VVV PROMRCh = 12 10 =
 1000 0970 1020 1170 1640
 1200 1070 1110 1260 1730
 1400 1080 1120 1260 1710
 1600 1090 1130 1270 1750
 1800 1030 1070 1200 1630
 2000 0730 0760 0860 1170
 2200 0560 0570 0640 0850
 0000 0530 0540 0590 0760
 0200 0520 0530 0580 0750
 0400 0490 0500 0550 0730
 0600 0430 0450 0520 0710
 0800 0800 0850 1000 1450
 = ABV
 VVV VVV PROMRCh = 12 10 =
 1000 0970 1020 1170 1640
 1200 1070 1110 1260 1730
 1400 1080 1120 1260 1710
 1600 1090 1130 1270 1750
 1800 1030 1070 1200 1630
 2000 0730 0760 0860 1170
 2200 0560 0570 0640 0850
 0000 0530 0540 0590 0760
 0200 0520 0530 0580 0750
 0400 0490 0500 0550 0730
 0600 0430 0450 0520 0710
 0800 0800 0850 1000 1450
 = AR

4735 kHz, 16-10, 0700 UTC

VVV VVV PROMRCh = 16 10 =
 1000 0960 1010 1170 1650
 1200 1070 1110 1270 1750
 1400 1070 1100 1250 1720
 1600 1080 1130 1280 1770
 1800 1000 1040 1170 1610
 2000 0700 0730 0820 1130
 2200 0520 0540 0600 0800
 0000 0500 0510 0560 0730
 0200 0490 0500 0550 0730
 0400 0470 0480 0530 0700
 0600 0400 0420 0480 0670
 0800 0790 0840 1000 1440
 = ABV
 VVV VVV PROMRCh = 16 10 =
 1000 0960 1010 1170 1650
 1200 1070 1110 1270 1750
 1400 1070 1100 1250 1720
 1600 1080 1130 1280 1770
 1800 1000 1040 1170 1610
 2000 0700 0730 0820 1130
 2200 0520 0540 0600 0800
 0000 0500 0510 0560 0730
 0200 0490 0500 0550 0730
 0400 0470 0480 0530 0700
 0600 0400 0420 0480 0670
 0800 0790 0840 1000 1440
 = AR

4735 kHz, 17-10, 0701 UTC

VVV VVV PROMRCh = 17 10 =
 1000 0960 1010 1170 1660
 1200 1070 1110 1270 1770
 1400 1060 1100 1250 1720
 1600 1080 1130 1280 1780
 1800 0990 1030 1160 1600
 2000 0690 0720 0810 112E
 2200 0510 0530 0590 0790
 0000 0490 0500 0550 0710
 0200 0480 0490 0550 0720
 0400 0460 0470 0520 0690
 0600 0400 0420 0470 0660
 0800 0790 0840 1000 1450
 = ABV

VVV VVV PROMRCh = 17 10 =
 1000 0960 1010 1170 1660
 1200 1070 1110 1270 1770
 1400 1060 1100 1250 1720
 1600 1080 1130 1280 1780
 1800 0990 1030 1160 1600
 2000 0690 0720 0810 112E
 2200 0510 0530 0590 0790
 0000 0490 0500 0550 0710
 0200 0480 0490 0550 0720
 0400 0460 0470 0520 0690
 0600 0400 0420 0470 0660
 0800 0790 0840 1000 1450
 = AR

4735 kHz, 21-10, 0700 UTC

VVV VVV PROMRCh = 21 10 =
 1000 0960 1010 1170 1680
 1200 1090 1130 1300 1810
 1400 1080 1120 1270 1760
 1600 1100 1150 1310 1830
 1800 0970 1010 1150 1580
 2000 0660 0690 0780 1080
 2200 0490 0500 0560 0750
 0000 0470 0480 0530 0690
 0200 0470 0480 0530 0700
 0400 0450 0460 0510 0680
 0600 0380 0400 0450 0630
 0800 0790 0840 1000 1450
 = ABV

VVV VVV PROMRCh = 21 10 =
 1000 0960 1010 1170 1680
 1200 1090 1130 1300 1810
 1400 1080 1120 1270 1760
 1600 1100 1150 1310 1830
 1800 0970 1010 1150 1580
 2000 0660 0690 0780 1080
 2200 0490 0500 0560 0750
 0000 0470 0480 0530 0690
 0200 0470 0480 0530 0700
 0400 0450 0460 0510 0680
 0600 0380 0400 0450 0630
 0800 0790 0840 1000 1450
 = AR

4735 kHz, 18-10-, 0700 UTC

VVV VVV PROMRCh = 18 10 =
 1000 0960 1010 1170 1670
 1200 1070 1120 1270 1770
 1400 1060 1110 1250 1730
 1600 1080 1120 1280 1790
 1800 0980 1020 1160 1590
 2000 0680 0700 0800 1100
 2200 0510 0520 0580 0780
 0000 0480 0490 0540 0710
 0200 0480 0490 0580 0710
 0400 0460 0480 0520 0690
 0600 0390 0410 0470 0650
 0800 0790 0830 0990 1440
 = ABV

VVV VVV PROMRCh = 18 10 =
 1000 0960 1010 1170 1670
 1200 1070 1120 1270 1770
 1400 1060 1110 1250 1730
 1600 1080 1120 1280 1790
 1800 0980 1020 1160 1590
 2000 0680 0700 0800 1100
 2200 0510 0520 0580 0780
 0000 0480 0490 0540 0710
 0200 0480 0490 0580 0710
 0400 0460 0480 0520 0690
 0600 0390 0410 0470 0650
 0800 0790 0830 0990 1440
 = AR

4735 kHz, 22-10, 0700 UTC

VVV VVV PROMRCh = 22 10 =
 1000 0960 1000 1170 1670
 1200 1090 1130 1300 1810
 1400 1080 1120 1270 1760
 1600 1100 1140 1310 1830
 1800 0960 1000 1140 1570
 2000 0660 0680 0780 1080
 2200 0490 0500 0560 0750
 0000 0460 0470 0520 0680
 0200 0470 0480 0530 0700
 0400 0450 0460 0520 0680
 0600 0380 0400 0460 0630
 0800 0790 0840 1000 1450
 = ABV =

VVV VVV PROMRCh = 22 10 =
 1000 0960 1000 1170 1670
 1200 1090 1130 1300 1810
 1400 1080 1120 1270 1760
 1600 1100 1140 1310 1830
 1800 0960 1000 1140 1570
 2000 0660 0680 0780 1080
 2200 0490 0500 0560 0750
 0000 0460 0470 0520 0680
 0200 0470 0480 0530 0700
 0400 0450 0460 0520 0680
 0600 0380 0400 0460 0630
 0800 0790 0840 1000 1450
 = AR

4735 kHz, 19-10, 0700 UTC

VVV VVV PROMRCh = 19 10 =
 1000 0960 1010 1170 1670
 1200 1080 1130 1290 1790
 1400 1070 1110 1260 1740
 1600 1090 1130 1290 1800
 1800 0980 1010 1150 1580
 2000 0670 0700 0790 1090
 2200 0500 0510 0570 0760
 0000 0480 0490 0540 0700
 0200 0470 0480 0540 0700
 0400 0450 0460 0520 0690
 0600 0390 0410 0460 0640
 0800 0790 0830 0990 1450
 = ABV

VVV VVV PROMRCh = 19 10 =
 1000 0960 1010 1170 1670
 1200 1080 1130 1290 1790
 1400 1070 1110 1260 1740
 1600 1090 1130 1290 1800
 1800 0980 1010 1150 1580
 2000 0670 0700 0790 1090
 2200 0500 0510 0570 0760
 0000 0480 0490 0540 0700
 0200 0470 0480 0540 0700
 0400 0450 0460 0520 0690
 0600 0390 0410 0460 0640
 0800 0790 0830 0990 1450
 = AR

4735 kHz, 23-10, 0700 UTC

VVV VVV PROMRCh = 23 10 =
 1000 0970 1020 1190 1690
 1200 1100 1140 1210 1830
 1400 1080 1130 1280 1760
 1600 1100 1150 1310 1830
 1800 0960 1000 1140 1570
 2000 0660 0690 0780 1080
 2200 0490 0510 0560 0750
 0000 0470 0480 0530 0680
 0200 0470 0480 0530 0700
 0400 0460 0470 0520 0690
 0600 0380 0400 0460 0630
 0800 0800 0840 1010 1460
 = ABV

VVV VVV PROMRCh = 23 10 =
 1000 0970 1020 1190 1690
 1200 1100 1140 1210 1830
 1400 1080 1130 1280 1760
 1600 1100 1150 1310 1830
 1800 0960 1000 1140 1570
 2000 0660 0690 0780 1080
 2200 0490 0510 0560 0750
 0000 0470 0480 0530 0680
 0200 0470 0480 0530 0700
 0400 0460 0470 0520 0690
 0600 0380 0400 0460 0630
 0800 0800 0840 1010 1460
 = AR

4735 kHz, 20-10, 0700 UTC

VVV VVV PROMRCh = 20 10 =
 1000 0970 1020 1180 1690
 1200 1090 1130 1290 1800
 1400 1070 1120 1270 1760
 1600 1090 1140 1300 1810
 1800 0980 1020 1160 1590
 2000 0670 0700 0790 1090
 2200 0490 0510 0570 0760
 0000 0470 0480 0530 0690
 0200 0470 0480 0530 0700
 0400 0450 0460 0520 0680
 0600 0380 0400 0460 0640
 0800 0790 0840 1000 1450
 = ABV

VVV VVV PROMRCh = 20 10 =
 1000 0970 1020 1180 1690
 1200 1090 1130 1290 1800
 1400 1070 1120 1270 1760
 1600 1090 1140 1300 1810
 1800 0980 1020 1160 1590
 2000 0670 0700 0790 1090
 2200 0490 0510 0570 0760
 0000 0470 0480 0530 0690
 0200 0470 0480 0530 0700
 0400 0450 0460 0520 0680
 0600 0380 0400 0460 0640
 0800 0790 0840 1000 1450
 = AR

4735 kHz, 24-10, 0700 UTC

VVV VVV PROMRCh = 24 10 =
 1000 0980 1030 1190 1690
 1200 1110 1160 1320 1840
 1400 1090 1130 1280 1770
 1600 1100 1150 1320 1830
 1800 0960 1000 1130 1570
 2000 0660 0690 0780 1080
 2200 0490 0510 0560 0750
 0000 0470 0480 0530 0690
 0200 0480 0490 0540 0700
 0400 0460 0480 0530 0700
 0600 0390 0400 0460 0630
 0800 0800 0850 1010 1470
 = ABV

VVV VVV PROMRCh = 24 10 =
 1000 0980 1030 1190 1690
 1200 1110 1160 1320 1840
 1400 1090 1130 1280 1770
 1600 1100 1150 1320 1830
 1800 0960 1000 1130 1570
 2000 0660 0690 0780 1080
 2200 0490 0510 0560 0750
 0000 0470 0480 0530 0690
 0200 0480 0490 0540 0700
 0400 0460 0480 0530 0700
 0600 0390 0400 0460 0630
 0800 0800 0850 1010 1470
 = AR

DIGITAL MODES

F01

10678/13967 kHz, 14-10, 0930/0940 UTC

99825 23344 79796 63422 48638 36527 41996 09257 19069 30433
97537 03258 01692 62404 30479 27408 89891 91717 73982 06487
77362 10844 85410 77277 72899 63150 53543 18420 18411 76703
86365 83096 21086 68879 52858 01732 35670 01458 77228 46910
57762 90895 09027 77672 14101 03463 17566 05413 60740 89929
84108 48528 25096 39488 90238 68036 52757 57605 25862 01333
45035 97484 65275 36282 98160 99831 84737 92827 80088 20608
19984 04309 05832 51456 87118 15674 97271 62495 15322 40770
38373 22161 64815 45913 61753 73786 28512 51899 27533 17611
40804 71677 80404 19899 41910 25842 95879 27857 71225 03151
51608 30049 88122 58248 84748 80697 64361 63781 21311 77525
51373 59103 88402 03974 31421 62740 45330 91217 25120 40817
94474 84937 04705 48632 57905 98379 25924 87556 30639 22427
97171 44459 46506 98665 63564 05836 17547 60127 29395 63830
32885 69392 67405 56347 28005 08746 88310 08421 60383 02070
69016 67053 52402 73162 62962 46686 87485 70170 41036 27516
70393 10824 36490 73819 87621 28155 92293 64489 28825 21398
34374 52966 55224 41745 19168 98748 25917 67666 28927 37681
18036 49448 13215 83182 01695 27677 00037 75642 55657 55326
25028 22125 34663 78142 52156 93612 24356 53026 84356 71942
44741 09084 87548 63646 88121 81046 76473 22869 02440 69735
35778 50555 55969 09267 74794 62095 44291 45688 39451 40615
25493 56716 29742 18100 94528 67290 96209 51530 32674 40600
13863 86238 93018 49298 56974 23643 07931 56571 23197 35580
29435 20241 00000 +++++ +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

11129/9082/7344 kHz, 01-10, 1015/1025/1035 UTC

09181 84322 09209 00644 23439 43475 88725 39161 31525 15593
78749 91454 78772 55250 66692 42220 01826 86462 51598 56574
50750 56993 34467 25431 84681 60346 46960 02776 26946 55122
66922 77025 90592 36425 94156 43649 10271 39000 84886 71254
41394 76806 68361 78312 12529 48700 94005 62719 41935 64914
82597 51374 54220 74035 79865 61963 58008 95142 35980 94142
70600 84827 59354 92300 00530 93749 18202 47088 23979 92436
88284 27909 15968 71010 70285 63552 22278 42527 25258 13161
83024 04613 01567 94711 43836 39095 51781 63212 15564 54305
62941 55785 68463 99743 48637 45837 71791 07798 76354 73497
14745 42201 28497 44514 69685 57909 20547 14790 83594 02100
24791 02761 08675 10965 73044 96780 08064 81995 36824 49723
97569 26444 08398 77974 09392 31644 31146 07008 88741 87883
52682 30727 59314 59521 99162 76769 18551 05020 94229 94951
48614 75599 71009 11048 54030 47190 50630 13086 61928 65370
85664 62352 45811 07984 91968 46294 58803 95116 17318 15497
87304 01134 20317 71936 60997 48437 57986 00689 80130 87671
05482 62277 46036 94020 56384 87863 05798 34323 76988 44444
47021 84666 13037 62268 03636 03158 72330 41639 58676 87562
31652 81301 54969 72485 41455 95601 49662 45803 26732 12598
73552 89006 07514 70319 81121 71168 87443 53361 02247 51208
83845 36987 31492 68143 97737 30954 15952 24017 47225 40219
27555 89192 12711 84733 30784 84692 67353 45509 81743 21284
91226 29134 19507 99978 92598 67942 35694 03662 84782 98007
33207 34503 91990 82157 10057 76871 82625 70204 29233 90420
53459 13555 60543 63031 13119 06414 05364 78317 38332 10757
40236 77356 01362 87249 40247 19357 92072 99323 68140 70932

83056 82581 40075 78677 11273 16711 03992 04737 74621 02125
91512 30042 66897 28479 29309 54918 99562 77278 20883 51737
83772 25757 34698 49313 71089 44206 59590 53719 76332 03954
13409 35223 30983 38173 15805 36015 40607 22715 61136 78435
44709 69136 52389 78368 02469 47139 82082 93501 52792 78575
71079 61141 22120 70234 01251 05256 78425 77579 02915 17459
54838 16633 83009 41590 91342 66188 04918 16610 67969 27549
55893 57477 27936 33970 63021 78697 14166 26992 43655 90244
67618 41863 01254 20530 60881 69224 02577 46101 65445 85259
97160 32779 76114 67477 65017 17903 40980 38342 03494 88371
70398 03908 89224 34182 23411 79670 76131 82138 95042 20810
15383 39422 52918 99014 08268 01718 96627 93077 27921 05576
38292 85444 70831 29698 27746 81914 24069 74841 70800 96663
59177 77018 13995 69795 88659 33686 94303 09594 77215 49409
00000 +++++ +++++ +++++

11129/9082/7344 kHz, 02-10, 1015/1025/1035 UTC

94054 72534 72333 65874 19048 00837 57386 43129 36654 02466
18194 33822 40081 52908 54430 22524 58213 01738 14722 31160
69594 61283 33732 73152 16903 97733 81442 68602 26592 48123
41836 06441 63407 11638 63156 64488 74442 88669 46944 23370
02443 66061 68024 35207 73028 71988 42635 33035 85534 48900
86902 91882 62147 17965 32818 77446 35038 33460 93933 43301
76158 50540 97946 62585 99414 54819 28374 05091 89880 27209
42481 95707 39754 42447 57686 15150 95740 24757 23596 28902
47547 50081 00000

73000 10053 64369 50670 28056 30842 81305 27563 09820 07308
07640 08050 00360 20764 79783 98473 27859 69431 50354 44418
07704 42612 02745 22296 94204 48070 31807 61517 85160 03581
45332 70647 46435 28571 66027 66024 48741 96804 38658 26236
33825 36030 72059 20925 52228 85543 70699 87348 39816 47601
35478 53123 25269 93610 38450 28601 85716 11052 01168 17314
92703 02052 31316 17922 15673 69563 97344 16100 75158 52074
45766 89802 62872 92788 90828 76354 70874 54227 31229 74782
97008 14158 73569 81844 18799 03832 67240 85193 52991 74428
80415 62095 42921 02663 71844 51095 00000 +++++ +++++

11129/9082/7344 kHz, 03-10, 1015/1025/1035 UTC

00000 +++++ +++++

11129/9082/7344 kHz, 06-10, 1015/1025/1035 UTC

91235 32534 83517 56218 10322 67273 76305 28426 76668 45370
97734 85892 93648 68629 56507 45547 87964 55886 48432 69613
61640 46735 93824 46351 64432 07311 85147 22045 22580 17806
43362 76473 84842 46417 06394 59004 71766 39398 98168 27531
39101 81922 51658 57424 91322 09428 84357 12699 06185 74137
49646 96562 56249 96448 12470 23557 38318 55866 22767 80462
46726 01176 85095 68167 51404 84549 47881 41667 66674 49253
60737 90415 21703 25668 73288 26175 68551 15285 73930 70593
88761 67389 91975 59655 84412 78101 11610 07237 64594 66466
71104 94907 63215 07289 45723 80210 49113 25386 37753 40571
14371 80958 22104 95045 51805 00765 20913 71088 57549 34773
05586 08524 19665 43003 49725 17915 78737 42217 81367 35513
71372 67177 07979 41978 92541 26124 12636 37055 37721 55193
44846 87393 10741 01445 54425 89701 08303 89182 41882 16420
17093 49277 23744 36098 84431 16151 36261 25673 48391 22135
25932 16821 38328 43874 00272 43587 81763 80470 37285 83464
78545 68052 77057 09125 28234 60455 43919 92974 21651 30705
72610 31737 32523 72993 36888 83235 70157 09819 04013 32577
79101 34002 63550 29909 96698 40246 03929 66957 04501 25933
35187 84513 34463 65855 81347 28065 15861 90545 90866 93766
73870 22927 38574 31920 15739 52931 17566 00168 65502 54806

44472 83583 33164 76783 26537 23835 29286 57794 63958 24626
60938 50926 85917 25590 69916 58304 43739 61831 99195 07086
09610 51295 98540 21256 54310 77161 05208 68911 02387 57440
60689 89722 88192 18966 49431 32252 61264 17974 70451 55833
14428 74442 77819 76678 33119 12396 50907 62919 89318 23350
80375 08257 28556 95089 80807 38912 23422 72967 65954 33570
92019 45908 47502 60992 04792 74305 43321 64997 28170 02009
06121 51489 78471 19568 08454 57230 84493 70943 45003 05029
82232 20861 38097 75050 90171 24991 57377 46928 38571 70156
89568 92352 51200 76741 19288 22851 02949 80500 06815 22418
01755 35939 73782 19702 68283 08477 32712 79433 11805 47559
21332 17774 25692 57916 27623 71275 50989 11152 16518 74149
81485 64856 94203 23519 08725 81423 70957 37347 30405 63757
08454 34726 70578 50073 62485 93221 85120 34955 57026 62955
50882 08880 50584 42110 61970 33380 80776 43548 81601 94039
98061 07234 22952 98512 24572 38141 57452 11747 98980 74341
73964 45598 93343 14947 37267 45034 12843 62612 19304 38103
14393 60273 01615 41858 05014 26805 72402 41431 05944 21301
66664 84432 93401 90650 22822 57880 51951 80102 54303 39819
01395 11506 59494 42856 83150 58917 18508 91757 17031 76251
50215 02331 64369 56677 27956 53755 58435 28437 77387 71557
88073 52421 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 07-10, 1015/1025/1035 UTC

41121 63894 15688 97410 10455 76078 22429 51526 39613 97484
21104 71005 06881 79963 48098 98392 03085 43155 04116 24791
96601 68274 66897 72176 38700 93571 12234 17225 76398 47377
22963 55070 65033 79688 90656 26450 97721 78232 39656 56662
93901 79927 28168 79782 14151 13704 06094 46560 93451 35605
34286 39458 10109 42109 94919 43251 32494 72615 47660 44625
10817 37025 11327 59225 06093 29358 75720 09581 73512 13344
73330 02340 42396 53073 00000

28272 28419 97230 25179 26749 80784 92088 30122 32389 51794
52072 09330 97803 90499 27506 14677 58712 32225 53576 89958
48326 89184 97188 73862 55953 62291 09758 32724 34539 97597
03162 09010 86816 35800 91014 96454 84762 28248 62468 77803
02030 17900 80715 86079 64070 08644 23387 75334 45609 71453
07035 11805 70180 60779 62884 21411 91388 39650 56039 54549
60609 36882 65334 54105 10791 84874 66022 37619 11066 11399
82473 29562 71849 83826 03092 04638 05105 29245 74614 28057
69486 78882 18005 03729 55020 10292 33106 66294 87031 85718
84254 54091 00000 +++++

11129/9082/7344 kHz, 09-10, 1015/1025/1035 UTC

02512 76314 45630 88960 90575 54446 32688 42875 36387 80224
22826 87980 74912 42421 04603 65580 80216 24125 32307 16332
76660 27494 93457 36495 13875 17349 70539 05363 97682 44561
01667 07331 94171 35152 69858 97023 49099 56064 75617 80932
89811 93519 72492 13986 01877 04921 70323 34512 97606 30220
35839 86003 18663 73701 45320 99146 39935 92108 68985 32537
66870 50061 91815 95521 43454 28687 00482 01616 21301 98420
91084 25916 99062 91899 77368 64957 98307 37892 04123 22451
03107 42197 95443 69335 95471 26461 92541 51581 79846 60834
60792 44193 46851 51418 70715 74833 85162 68429 82557 65516
83731 26034 89184 65802 91519 49766 96960 75943 26935 92493
49300 83391 54176 84848 22582 61139 68647 31073 49122 01305
58646 86208 46877 82410 35512 75570 60572 93790 49410 42454
43953 65568 32961 34986 37825 77630 39875 68083 23593 46051
70803 21449 56965 10387 03585 59530 11530 70291 70061 84400
86877 44888 46683 57476 60965 53327 51053 51024 91401 39977
61625 15398 95349 92677 02733 72920 62727 27502 62134 74378
82399 38454 33272 79041 86042 35553 99415 44160 39374 19727

01901 34869 35434 67962 59620 90445 69600 27148 31990 07844
01035 40043 42547 28458 30242 51814 05388 39044 47422 70578
21616 22741 31326 80383 38008 21120 03267 30070 85066 93216
66015 46446 36661 82465 82229 45223 58429 27488 72133 38137
37146 77657 35113 59696 08229 99395 24935 62006 23581 84126
33256 51087 26950 93821 61131 63138 28994 05092 83186 04179
99244 37742 34165 01511 17154 78741 72516 40428 49398 37536
00730 84621 45660 93656 47090 03712 70034 22536 38548 56349
10278 10498 19387 02318 32079 94835 95388 42075 70524 89931
08164 07184 75971 85343 69349 50045 56500 26808 09359 06396
84126 16086 20369 28992 56983 90594 98234 15924 34641 68764
13012 81998 88758 72053 62784 46619 36258 59560 90482 36617
47206 36172 68370 27453 44580 20186 79904 71237 38136 81341
53631 85009 59525 85194 28841 97700 90878 04788 57625 79231
04038 85529 73070 00171 52612 74249 78230 95406 84056 48334
35608 30247 63958 05912 61793 92413 29717 03002 56980 58335
15810 48579 24025 07214 17818 93483 56748 81623 87421 74113
02155 15594 75528 96843 26280 86148 65744 74104 38322 49155
65354 48059 52775 70512 46013 62809 94229 68558 51340 71081
74540 18653 13580 86322 97040 93016 46542 16136 67506 34258
07000 38013 16527 86034 41728 03279 63008 29274 62371 80201
73465 97403 15343 72200 96806 69020 38916 72087 79291 61441
24722 38281 89358 73563 25820 03393 30699 35148 78546 54897
57343 73233 39118 19290 93259 90638 90561 81971 56438 32953
47021 52682 71882 18753 14529 60783 55335 01440 85238 55429
00000 +++++

11129/9082/7344 kHz, 09-10, 1015/1025/1035 UTC

90718 80380 33213 48508 48369 28089 71268 47587 43904 87240
78213 57310 62729 08471 00280 49046 37729 11459 87093 02162
96870 66675 19215 35441 89025 68258 91231 16329 98953 52680
23863 15198 87386 42910 03508 96825 17144 22744 72662 66256
51222 71008 19669 11257 33794 10303 41198 08530 90057 49994
75946 85897 05869 28123 32941 57616 73095 81931 62925 75033
11632 01693 46241 59759 04016 47524 95656 11545 03571 33878
97569 08059 02032 11397 40030 38742 67575 56077 00000

99799 78390 98263 83719 23901 26532 59469 03858 53245 07061
83783 96969 92421 50611 37835 38458 04746 80282 44706 56696
71897 78571 62367 43956 42329 98159 81353 63536 60627 77486
46366 76508 95021 47033 31482 36539 05229 37287 23672 26212
17808 24284 94302 33288 01230 73695 63312 90350 57840 69388
85756 26263 74899 37395 15398 02882 01902 01226 25039 35460
46339 29472 88275 20182 05118 61629 52370 17259 73810 23083
56921 63037 00916 65190 78022 09540 79332 91395 02596 14889
92232 55319 62590 33050 55506 41761 83733 76320 23984 66543
28515 49020 53609 56146 38101 75802 36766 93062 02860 73034
52926 37812 16188 57103 00000 +++++

11129/9082/7344 kHz, 10-10, 1015/1025/1035 UTC

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11129/9082/7344 kHz, 13-10, 1015/1025/1035 UTC

07536 05305 02181 40894 02057 50473 53624 40093 77767 76715
68899 64813 83235 14060 09062 49900 15507 36869 66597 36183
45707 10609 93032 77262 96696 98874 27807 52638 52465 29109
20608 48118 03950 40446 64344 89460 60967 62123 80960 40167
84948 95896 27263 99378 22159 00900 12953 60803 42095 04378
48065 18622 10746 86741 61970 31295 53405 14374 61166 79227
86718 18626 18011 77212 24662 44444 07606 27595 88126 17067
35016 25108 72810 00215 20003 49289 55097 44237 31464 05448
40608 47620 88772 00095 85116 80331 72197 61789 42521 42396
09587 43325 19547 56186 31516 66212 41877 15821 12079 93370

61402 42146 37508 40996 59259 16710 69814 65509 24372 93180
97638 86554 12156 09653 91492 31958 13094 50252 05586 15608
85858 29513 93415 84175 34677 97931 29324 93621 35613 92162
53191 01425 41476 78268 80463 85476 20016 61480 44701 25568
05117 60903 64833 08408 65661 72590 54307 42127 21764 69442
14319 91177 63043 11355 78314 67588 48648 64065 99947 39506
93699 50117 01682 42955 71842 80400 26225 07756 88613 39692
57982 33552 05279 24639 06719 76856 17863 57613 70613 35083
21027 24900 20897 38484 11514 12618 75259 85932 10816 38851
52214 85494 11777 05394 23604 85722 78806 17574 07446 08603
56396 45571 68287 20115 65618 25682 17275 99307 93305 24963
29118 91867 03597 17687 18128 59078 26523 47059 40536 58142
03344 70616 15261 14779 93300 12767 80322 74051 71487 72881
27093 40349 72522 62404 79559 42469 59705 69392 10799 84736
24353 73942 13844 70087 44997 62929 69135 06074 61134 17498
75743 29712 41211 71752 38537 12110 49539 66070 28514 28827
41817 43479 58445 06888 43962 62544 41054 84394 93924 25193
21895 43675 51176 42920 04123 03908 03566 89812 07355 84145
26224 15817 27793 72701 72208 18712 91808 63806 99569 98203
20168 47500 64537 40586 45093 63676 35498 07404 47339 56228
07474 26565 05484 88222 21763 09325 74601 04060 20452 41587
36532 49531 90480 22961 88908 85729 76937 52009 65148 57744
70286 81127 02587 04080 97204 89481 00941 17734 69726 47459
38295 94871 72362 71056 36798 32037 91909 89647 95239 57836
19619 75564 30729 10032 80405 08937 96627 93980 68814 76222
68946 83366 96391 25863 18386 49141 80189 29509 10204 27642
27053 22249 99114 63791 93410 20277 11381 90341 25229 39443
31307 29092 07841 63119 34317 25008 80314 32815 33799 49200
94067 59991 33903 31675 20405 82497 05492 09821 36671 14076
27413 03545 45699 60374 60303 53012 08254 99895 45089 79921
93143 53327 43386 58244 74705 89688 61982 05388 32332 42728
28584 29695 31737 58413 00000 +++++ +++++

11129/9082/7344 kHz, 14-10, 1015/1025/1035 UTC

No transmissions

11129/9082/7344 kHz, 15-10, 1015/1025/1035 UTC

40209 64948 80109 95668 09469 69637 07117 06629 34401 97609
26722 19284 50425 39420 33955 95095 71362 71762 25256 56076
81370 60910 34400 58195 70729 85385 64628 45749 76410 82565
40390 03861 13372 48890 27171 51328 07508 48382 92804 40981
66202 09145 08747 59748 47413 12544 14708 45617 13231 04747
95118 63683 78845 85318 40838 08458 92865 52547 94562 24640
09918 10208 03354 63533 41471 65423 26741 17289 95820 72345
73823 98176 43172 01304 67814 55053 66753 38146 61466 44234
85907 43437 51810 96941 62096 26204 67649 50525 23737 11924
28243 35636 70848 09439 96623 36553 45393 06480 75976 66829
78302 48497 22522 27469 49086 80469 73345 39807 18978 56400
12597 70280 23562 46171 24519 89286 35797 94442 06715 31310
35403 11304 42121 48502 45517 99337 53098 74911 22586 46803
86095 43541 10409 41620 00317 23427 94283 85839 58824 68928
16187 15293 45530 98400 36922 54097 56493 44465 56188 58723
38981 43036 26483 31292 76712 53312 21804 06797 44737 25910
47061 43949 82378 61327 99158 74309 57681 25931 15667 89424
21797 17649 72037 70620 76756 98554 13282 91178 05046 36538
31068 45548 34455 23241 22161 85302 36595 60455 89149 66521
82563 32163 69393 38286 04170 04404 03134 26974 34156 20174
76700 96043 23874 81514 01753 85995 61829 36014 16495 64191
41551 09877 19800 39231 52205 54772 74182 19565 90407 00632
38557 21028 16664 31598 16718 52995 04874 27302 32479 37832
58340 36660 67411 43333 90723 76380 22118 32840 95367 71360
86979 62721 51446 79167 33309 81898 40365 65792 60854 13118
70854 24855 62592 20645 36185 57454 92733 94070 51959 54860

48899 02917 47899 51208 04388 01739 12083 38417 51480 90391
11049 60490 41716 59169 34230 29408 34083 73488 36130 29776
87048 77816 74699 04450 55383 23517 69337 38286 77701 50318
26956 82233 65664 76074 09559 84948 30783 74520 41746 24106
09749 45697 81615 54613 74246 08747 03465 15907 36173 71753
65755 65509 84197 58324 62771 31056 12622 95596 83393 97955
28446 93357 25459 74888 47607 68962 39106 04324 16310 97749
97573 10242 18396 93617 18872 00250 54676 49479 86774 64287
05191 92256 44563 37091 10298 32120 59959 16623 31561 10652
84690 55641 78352 77618 57123 68604 11120 51051 21394 21090
57247 40311 61485 93930 00456 36827 73684 39233 29672 02205
25848 70484 58312 08375 76934 53933 49906 09496 55216 93414
11016 50261 18626 25833 37370 40345 45667 69470 24159 49622
30335 92314 76432 03901 79466 92593 80525 85810 35981 08709
22464 70571 76432 00747 64274 51298 56314 70759 14144 33552
01558 14006 51366 03819 69658 18333 92009 01593 28872 53892
06245 49771 28906 20377 23268 59425 00000 +++++ +++++

11129/9082/7344 kHz, 16-10, 1015/1025/1035 UTC

69362 20818 72227 81379 20039 64546 01866 80949 56705 51640
04483 71466 04928 13421 29135 35483 38871 02721 25021 19178
65277 07529 78447 60887 84889 51836 85814 99816 54743 00883
48583 94611 99787 12977 01150 06486 47249 05095 07566 26579
82197 24431 88051 52244 47730 43089 61217 41955 38231 18119
12965 03501 59127 84057 27965 95178 51593 70184 44686 44662
05627 59675 19892 15227 09950 32825 13541 74033 12154 61558
30047 42143 87545 47380 76813 30966 40114 19980 25996 94812
84070 38667 90425 54257 79386 63824 49627 69980 19777 90566
86871 71795 96563 61802 23205 72528 86848 60097 00000

33440 74908 27830 18400 16425 34193 95183 55440 31025 94331
32248 26037 27465 79274 97906 95284 59615 75332 83555 94348
29268 96333 57622 36838 36771 80515 68789 28641 98940 23844
31339 88399 20195 79447 41060 20820 27856 77847 95167 10005
07537 47682 14661 24983 99579 41603 92556 54644 42449 97035
16443 14250 74051 86488 38787 90716 26891 37107 93429 18852
78014 24145 81715 05744 39682 68055 76683 45468 01693 89877
18765 91330 61310 04618 01423 77806 01724 57302 70166 09377
04982 61081 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 17-10, 1015/1025/1035 UTC

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11129/9082/7344 kHz, 20-10, 1015/1025/1035 UTC

36015 94297 57076 49807 42626 52472 55092 83301 65734 39062
07643 65849 86358 26035 83927 65216 27087 20150 61853 66506
66348 53082 72430 62929 35993 88059 26696 59166 81855 41440
17348 48264 91997 42662 12263 48007 22309 81021 82107 07698
74166 12691 29213 21289 03826 26442 09906 07793 68239 91485
67487 44919 36990 35887 18041 66873 25023 28982 56262 62249
25870 66231 73497 32960 50043 79958 05169 00136 98297 24403
49789 67943 24443 08525 26745 81240 67389 75003 65035 38022
57128 48864 40155 42587 24317 04173 01308 10371 68170 22229
56144 60365 62336 39707 05204 56082 03451 10177 43252 80986
32056 27429 69695 59339 80563 84069 75274 58387 27964 63797
97205 32844 65957 90810 59972 97584 06199 84782 43947 39504
83342 94838 49034 04480 33576 10979 45512 20356 53331 76371
29285 41914 67857 48973 23701 28746 64342 85894 95150 91974
69277 48963 74615 70764 74744 54908 02367 24547 43316 18621
37990 51917 46260 62913 02937 72117 14724 93215 47778 30064
08608 60659 61350 10836 32789 61974 63990 74591 55406 49634
52035 47811 07871 50704 85779 31847 71319 17806 38077 14673
79163 60658 45775 96815 90454 31616 31171 67370 13726 63651

85671 91053 86015 84219 32844 92231 36753 53430 13061 46861
91193 99981 56902 18268 93097 53285 39523 97720 51323 95213
33155 35724 40046 79923 99957 74969 07274 95172 92367 20888
71342 63584 53173 10734 10104 07294 32474 67144 72459 24403
63722 47107 66957 50694 66038 22277 07122 05034 64983 51577
18211 41906 48968 32024 35083 59511 03504 38710 45873 36871
90468 89886 61145 98371 64580 98078 13234 29187 44262 93178
15435 90018 79097 28441 35760 04593 81043 05334 64923 18341
11613 78168 83249 51716 42191 24459 56205 96576 29692 91931
13224 29064 74729 58142 89517 37436 54497 63622 35577 88264
47542 04502 24015 79463 92621 95538 08479 53558 48827 39497
14292 69657 49173 63812 65519 57543 64814 10478 78156 02338
22114 90089 74107 33164 39718 35993 95657 14260 77844 19461
25121 61956 16960 11844 39351 35986 08042 04638 53803 78537
61616 23387 35830 99500 67740 96385 91912 31348 64139 64091
58493 02076 94672 40205 51121 99647 25316 60343 51573 26391
09855 79254 37663 66754 22473 02498 85405 16900 99418 63538
98232 49535 56945 82187 42953 12447 77702 65330 97131 84152
82782 35874 37584 35133 31586 00858 24671 68053 16714 94655
62087 35437 46070 58225 36815 58212 29353 40318 68952 93578
11125 31604 26083 25623 17664 67643 81890 77136 09762 61649
23696 66043 58670 52962 38609 54916 87380 82191 32978 66982
44418 28957 64832 67070 02350 62415 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 21-10, 1015/1025/1035 UTC

87628 88016 41167 58895 12008 48018 45652 73533 95391 61498
23901 59141 95931 30139 13882 28387 66116 37052 09552 18024
99536 74388 67636 66535 37912 72212 20759 23537 36811 20836
57852 95589 13493 03794 57801 58137 25318 83654 87230 88234
52170 07850 98407 97771 81306 26707 88164 71870 18098 40883
03808 42145 71079 20378 06923 49513 84758 62310 31040 76247
18613 79664 94075 51947 95712 38168 51502 63128 69422 83511
01175 21116 81586 26078 75779 67917 10679 75393 83687 24778
33313 63081 00000

00203 28424 54372 48183 61930 00832 04678 88226 40559 65236
79019 01490 14558 73147 05710 58419 55562 54783 71078 41812
08297 62455 55111 18760 19038 56618 80467 79485 98543 64286
23313 85263 30402 64505 59407 92603 60719 80551 43885 45901
30094 83567 48161 55723 33823 37309 02407 04934 21254 38686
17027 49830 70244 33797 81581 08498 97652 14145 64581 53548
91806 22700 62605 51444 77872 24534 72169 15597 52081 21674
82785 65418 45735 16896 14650 08510 04937 56121 49403 88201
96983 04123 27385 63589 79348 33211 09837 14297 92209 29606
29483 64091 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 22-10, 1015/1025/1035 UTC

28512 13746 66424 43542 28643 31126 50536 18037 10149 80598
91498 10290 05776 16396 87991 26270 83242 41440 51276 80559
81829 59043 07457 26418 56490 62208 87740 25802 21667 21467
11357 82754 12005 57185 90857 88614 02143 07283 14452 52480
52780 26302 85094 15361 75193 76754 20986 71462 31403 98698
47197 45037 12170 68471 33086 96232 60010 82521 52209 54391
29423 27277 90407 02221 01502 20984 68749 59286 95141 38455
41036 38253 42003 54668 40533 72322 17440 68150 43635 37294
44571 90079 59145 16699 13687 10055 00845 83435 84162 74454
23065 96337 61099 38336 23926 35141 63838 76810 45939 22244
28575 66815 28665 04739 12228 75253 93104 95125 89776 14398
62519 94160 62238 50533 49363 44264 17472 76752 63015 86939
11016 85847 18004 22627 59116 04242 47398 96444 61160 72893
51075 58236 93689 86103 33528 70380 43179 24179 10913 61787
69781 40876 92030 51525 19205 91570 62908 90513 24931 13082
29695 94721 67950 91101 99534 68305 86205 76153 04123 40124

50925 34027 95620 62077 52045 41619 69625 42687 59894 64127
94872 79421 59784 41452 54372 79084 55886 01264 27649 32289
07778 15124 68790 83820 27658 91181 59980 32481 25412 06794
45211 59233 85905 61565 73851 42640 35516 30225 08773 18229
32722 84345 78713 59056 64658 43851 79562 00898 66810 44251
54265 60498 08042 30525 06021 20337 08146 13614 24475 78325
80091 50446 29586 85889 14184 33426 62852 22862 46285 00347
80595 82635 77322 00641 28973 66006 36243 78918 05431 07140
03616 61730 36252 80107 38066 58489 24920 59434 72729 12489
50965 33073 73914 62958 23983 91269 79155 04089 22526 39742
56851 51971 72532 10605 54672 55383 45007 69500 28924 11354
77619 42345 72056 71462 49914 10149 80502 49787 66833 45338
30041 68457 30209 88019 50862 01741 02952 85618 19530 04597
95582 44342 10024 36650 29836 65892 71056 17507 58980 67864
21838 74350 49582 11287 83495 67771 54372 37158 83117 06750
30918 11339 34023 88734 85780 98523 75229 25764 48851 18238
69327 42553 07549 01789 18927 57495 55569 01319 78074 82506
35870 23490 14436 02661 82586 57801 44610 21544 91555 47962
84790 83270 74144 79786 83929 07097 74062 84008 31623 95564
51856 77495 57883 02128 66761 91266 66993 69182 10609 58765
72638 72440 73467 62829 26480 32600 45713 64784 57392 80228
86209 64108 63513 84807 11295 62093 24331 83883 84251 27956
24963 73238 09952 90820 09841 44050 64370 06026 07973 77948
13645 69177 96971 35930 02376 76396 98047 02048 15853 54199
19142 67835 45888 07435 88388 68378 14965 58738 45105 05996
38357 77913 80479 22446 28936 24705 45161 05612 74336 53379
65923 41595 41177 52563 38610 48157 86010 18771 89525 50445
77709 87066 22474 84939 60962 67284 93633 65437 00000 +++++
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11129/9082/7344 kHz, 23-10, 1015/1025/1035 UTC

64230 85848 45538 62377 65389 33950 66231 10028 40873 79051
37886 37609 18189 27033 06575 33856 07882 39966 04417 43132
25597 40191 38685 54708 57209 29713 57570 75335 40458 92129
28546 64813 61524 69258 90264 39230 89984 29661 63928 71567
00583 71249 35071 44354 55255 25163 41686 34060 43845 53099
29644 31914 06952 55294 61320 30839 89339 31326 88403 33185
97355 60950 24778 58946 58785 97133 80462 59163 08589 88481
42507 64180 48954 73253 13807 21458 57103 66077 00000

95538 07064 16015 41821 23315 54069 54045 59013 04533 36721
51605 75635 68381 42752 31217 98616 96059 85937 75696 86728
79944 95711 44987 78537 82079 03371 75914 34903 65423 92040
00781 75711 96283 02603 45749 15541 41377 12767 94947 27940
07967 31472 31235 93000 00491 75813 89565 07924 92142 22665
83884 65263 34822 52210 93498 28527 55910 25546 19861 59833
15292 63556 49695 79305 21074 19249 85413 60887 27428 60728
28750 94278 63006 07008 28557 67669 63354 83840 28702 50955
05770 91748 76996 84142 70036 03460 81095 00604 73479 32918
22312 39888 53771 43065 63278 29776 97925 84577 10388 42250
40929 82754 16964 53084 82433 14732 38088 59736 94949 44213
73028 37220 21989 67113 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 24-10, 1015/1025/1035 UTC

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11129/9082/7344 kHz, 27-10, 1015/1025/1035 UTC

52386 66185 82662 63425 88937 99029 57374 89723 85586 15393
41409 04104 44054 18198 95943 20244 46668 63777 01149 06544
48195 64817 89674 47326 50599 07862 52896 67807 96630 65041
18352 15021 43214 04747 21803 11891 00553 30893 22365 26635
47892 05509 34147 24686 61885 34289 72821 95322 18488 19848
40581 70192 54333 12313 97913 75919 98509 11988 95620 87977

10691 03740 65539 78025 86550 27823 93385 71884 16396 16809
22166 60346 07967 53318 59593 30000 09331 28245 87947 06274
92809 04154 99804 25858 85884 13537 08095 80725 60003 46630
03909 00906 13248 08457 60490 68229 07774 49808 06871 78210
47978 01832 19556 92260 10330 68917 05724 47426 60795 59575
76368 15827 20795 59994 32809 30998 67641 79951 15030 23304
80381 25788 85266 31628 66984 80105 45283 83519 33825 92905
10783 60982 83373 13832 91379 94096 51063 20213 49577 49657
17241 20601 37193 07029 55163 38478 32649 38384 00960 05832
27593 35527 56505 21277 36265 50494 61146 52416 26058 42097
93207 87133 92705 45628 87218 63489 28542 07880 77809 32926
57254 54699 06196 36456 33593 83236 50201 98530 31442 96098
63756 68265 68722 19582 36801 62722 42537 73165 11542 91928
73016 82475 15988 70319 79288 52887 00713 44298 36011 45954
89777 90588 83919 25869 81749 65088 92801 68117 61755 06887
00367 47539 10512 27151 75415 47964 21257 37563 78775 60616
60541 97994 20425 63480 33793 88107 36241 98811 41615 32564
32819 90972 37734 34546 73797 71797 24553 97256 06117 05655
47236 38095 49665 31414 72268 25202 98735 63484 61422 91051
08740 19133 77077 02783 66610 64249 79815 93950 68335 94765
04251 87406 52058 95900 24012 63957 60177 46427 41820 56532
28895 60143 65613 74515 28641 81742 56630 87943 03808 79265
60411 26252 85248 00315 56646 71267 73963 84233 88808 49117
19409 47428 59506 50755 40884 84018 02505 35790 65410 49013
67329 99299 80560 16189 77424 06323 25661 27860 47766 23712
69817 78742 72897 04040 50184 01074 21306 01242 68935 43196
97086 22687 72358 58787 54830 47356 60515 48916 78668 64829
00910 24125 61419 14757 44594 78711 44765 31502 68155 94411
06406 23658 90015 15663 05120 43104 34492 63632 19677 23308
42043 81212 42529 91550 49145 26146 14234 84763 86232 54498
09524 23670 67152 61641 10992 24911 68544 72943 31296 55851
22614 01356 69840 61744 71713 14086 14878 19947 58179 75529
26942 00882 47863 58670 64577 40414 10791 42118 38289 53346
07380 34981 03652 42718 53676 96756 29512 84585 64020 44428
02238 92982 94592 63964 51927 94744 36285 68385 11536 68881
30315 69613 44847 30191 05037 56272 04235 61793 57381 68419
00000 +++++ +++++

11129/9082/7344 kHz, 28-10, 1015/1025/1035 UTC

84358 85236 21090 57498 49400 03929 05303 49032 42915 68223
97774 03400 59839 03556 54465 19313 63330 48739 59549 43208
88375 67748 53096 51392 71279 90904 05728 67057 53462 27635
51173 66840 33020 18003 12684 56620 62472 15204 84227 21245
16136 16189 52403 77872 75569 82640 70023 87606 06525 19451
17287 05125 25826 02915 11488 70985 81645 75819 51205 76290
95582 51612 05889 54405 40006 94833 86805 79412 49077 70022
60266 75996 86910 76246 89067 70434 21300 09479 13112 37397
76445 19988 05104 22226 63120 56936 62299 69087 00000

23652 87740 61902 43494 41442 86422 39020 22911 84129 10201
21239 08755 77624 51690 61942 94481 96897 99197 44931 85399
75008 25612 47601 08307 20040 16831 01874 09896 75886 19448
51320 36121 87819 12340 27912 09706 58785 31891 96838 47982
07355 05502 42830 88252 63274 73091 96423 12854 61552 01280
23599 91124 21018 19927 27245 80443 18287 35725 33864 53544
93081 02531 63985 44288 45829 53120 09690 29074 13487 22061
67713 86089 34526 14380 01550 99576 39014 99725 30995 01302
24730 36700 72570 66429 05258 57058 79264 05966 40981 64455
53024 22983 88934 27437 28443 70095 00000 +++++ +++++

11129/9082/7344 kHz, 29-10, 1015/1025/1035 UTC

28679 30935 12009 83937 89403 59040 39563 15217 13244 91844
00538 14276 18413 61884 45816 86666 63407 67182 99620 20674
00460 97978 33536 51148 63472 97011 02341 32430 01367 69984
15098 87533 92765 02772 39927 25795 02979 90054 65921 46162
69194 05058 70614 68312 24843 65101 66462 58800 05990 51723
24762 44400 52136 36441 00452 29852 33069 02718 06224 62187
69847 50694 09393 08821 28723 32497 49961 41604 03205 61935
03300 44020 18790 81904 35913 83712 64356 65086 27690 17533
86149 27642 59112 21295 05303 60572 86828 61424 44838 08454
56054 50690 77070 50213 23219 55203 27359 61650 87311 44878
95147 64376 53345 04531 78229 43763 55552 82291 11162 20374
59663 01183 53791 65153 04905 50028 90805 12110 38845 64261
28262 49119 63832 45434 98023 30980 06271 62653 06044 64584
61524 46944 85437 18021 56768 18746 40273 83287 86109 12799
10257 47307 81607 93380 57628 50927 28435 49582 41054 40600
41743 52070 89382 42426 55621 64230 59257 13245 97304 12459
08712 48465 45086 69433 82264 51323 93341 73029 74245 93497
31336 23065 81281 20045 01811 23069 79874 83534 60062 59250
90021 03405 19827 33874 10804 88899 71543 95201 38884 75073
24142 31219 05857 53271 76229 19305 95380 00549 88190 14906
02603 37695 59626 60455 10823 70557 17627 64502 29308 94361
42083 86741 73242 65697 36462 14005 51694 71877 65786 96782
66578 52340 03664 90844 94538 51792 56124 13819 36140 40978
08034 23828 18084 16368 81807 99038 60105 88627 15466 37250
41268 47603 89356 67672 27813 00464 94078 92108 47783 57509
06601 97721 23580 38736 41815 08560 98376 49632 50287 68051
17312 30906 85632 69633 49409 11824 89957 77721 61149 21849
70806 06193 77655 40270 68054 46576 92393 88501 34168 63144
11363 94757 76297 97076 42687 85761 33603 46901 67554 85205
88296 17389 53446 23634 33788 54092 95582 89432 48419 05719
97535 75631 48185 81521 26935 02183 16909 95898 07236 18423
37286 17383 31289 15398 71251 64222 08264 02731 63098 13897
88176 29742 63790 17534 60508 55479 99896 40132 08741 97374
35599 62559 04409 13194 01205 18743 04134 95975 86593 56494
14035 86601 23047 40408 72979 34016 01900 38843 56235 56770
03433 62174 35474 87279 34473 44499 56066 01773 98105 85991
17583 66644 43965 98084 68475 55570 72528 18675 50841 17097
91840 89534 56228 97419 50131 13116 78413 48012 92740 30936
74088 72818 16802 90740 67395 94673 22109 94609 59247 45655
81625 45223 27369 11047 80048 32448 28004 81603 93881 27447
35209 93804 11447 76500 78694 62779 16281 11714 66133 37600
82338 20812 00874 33628 54461 43205 31013 21588 12526 84504
90742 71421 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 30-10, 1015/1025/1035 UTC

No transmissions

11129/9082/7344 kHz, 31-10, 1015/1025/1035 UTC

00000 +++++ +++++

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

22991 kHz, 07-10, 0805 UTC
11537 kHz, 14-10, 0611 UTC
20042 kHz, 14-10, 0730 UTC
14983 kHz, 14-10, 0800 UTC
19252 kHz, 14-10, 1421 UTC
17506 kHz, 14-10, 1438 UTC
12165 kHz, 15-10, 0625 UTC

12155 kHz, 15-10, 0640 UTC. 1h transmission
13391 kHz, 15-10, 0640 UTC
17421 kHz, 15-10, 0647 UTC
13856 kHz, 15-10, 0650 UTC
14987 kHz, 15-10, 0721 UTC
16125 kHz, 16-10, 0607 UTC
13952 kHz, 16-10, 0621 UTC
14564 kHz, 16-10, 0622 UTC
12155 kHz, 16-10, 0627 UTC. Test
13952 kHz, 16-10, 0630 UTC
13391 kHz, 16-10, 0638 UTC
12155 kHz, 16-10, 0640 UTC. 1h transmission
14783 kHz, 16-10, 0720 UTC
14983 kHz, 28-10, 0748 UTC. Test
14983 kHz, 28-10, 0800 UTC
13884 kHz, 28-10, 0812 UTC
13864 kHz, 29-10, 1436 UTC
13864 kHz, 29-10, 1450 UTC

F06

Link 00000

11128/9446/7453 kHz, 06-10/07-10, 0800/0810/0820 UTC

11100 00000 59271 03011 01279
93849 28467 02940 54455 93736 53463 67756 37758 06640 01401
31871 17092 80228 69483 50623 90718 88604 17163 40966 16909
65670 01722 03159 41179 35081 96777 57022 96287 03961 29627
72416 73419 12582 98382 98662 87998 57182 54823 22566 88569
28124 63912 09739 82186 30562 75911 08923 74729 79823 72026
23974 49620 88684 69528 83219 33335 88725 97287 60864 21183
52954 77647 30130 61774 11893 75592 52827 23612 80301 01135
35040 92257 36740 75854 03602 71493 23146 99553 83075 86931
56621 77927 77892 15502 70609 97221 89371 89249 27664 56790
22272 46896 70974 95511 60598 31584 06860 72975 17326 58258
35396 91407 87734 99101 71391 69244 61055 60488 22862 02311
70089 49869 19229 73526 83521 56043 06404 97093 70577 91233
50958 08088 92746 68432 20560 11125 00000

11128/9446/7453 kHz, 13-10, 0800/0810/0820 UTC

11128/9446/7453 kHz, 14-10, 0800/0810/0820 UTC. No transmissions

11100 00000 32157 10012 03539
76865 81610 86610 75627 54005 03391 18001 55459 19814 26925
14280 60667 18718 54794 65579 03012 90052 61380 07360 52547
22838 60511 27389 16257 67687 58752 00944 57797 54286 36523
65163 13043 87861 24245 68512 81121 23111 65685 56268 95623
38995 85700 77986 05675 62853 04565 27878 21558 17277 66060
54028 04581 88162 71529 97408 05857 37408 37073 46602 83710
08665 16077 19198 54380 99596 54260 05776 55704 99081 69429
37431 28490 12793 73126 62772 45242 25593 76362 45324 40944
74187 46615 17282 25573 28461 08293 50552 83047 04953 03827
31011 86282 60890 57616 46929 83049 42232 09975 27488 32320
84149 13294 92336 95791 87385 07598 98118 14271 18937 17682
92906 23609 10480 39021 14492 89878 52998 04628 93447 68473
11031 50067 46931 16821 04993 18795 74126 15397 34996 75017
89302 76730 44612 16259 53395 47079 48016 02823 90067 30472
68946 46336 97176 89803 64911 24562 89589 04662 35101 14673
34287 90586 35415 62158 63685 09442 49065 27580 78120 25580
86175 78332 73432 87506 10828 17621 54578 39712 18989 67823
21224 94371 15746 50446 36245 17592 65301 29839 13072 09901
12161 12878 82822 85656 96942 21776 27161 81078 15264 82248
87807 45568 93121 94174 88655 96031 77218 76985 31421 38864

63670 06932 50756 89305 13524 88446 39788 42851 28533 26764
81995 78386 85628 94006 50371 97761 53510 05913 59805 31474
39807 51393 83641 65145 42249 42112 70311 66504 02269 74272
21019 17521 84489 19796 14392 81425 30528 89085 89043 59270
60550 32559 19983 15722 21021 73134 49810 78794 02078 86868
60632 43184 72975 73916 97643 31907 09034 87024 80301 95931
08523 09714 62034 56480 22937 01373 24426 19694 49071 51423
16812 18350 56361 09762 77216 60323 47915 85649 95580 88459
78669 32258 05213 81577 79112 59036 13394 51259 58013 39105
07090 14138 82591 03854 94686 44354 59568 41933 69712 35883
65527 44832 07456 29405 00035 66221 30441 83417 59951 87253
03687 94273 58370 05011 45684 94835 36623 86281 66037 86423
42789 53860 65703 83754 75145 97549 60763 77565 14001 27062
15669 44583 90334 08998 96900 59561 64704 55100 82966 89044
14832 53959 91694 71566 55328 63364 10746 13952 37976 05492
42280 12351 00000

11128/9446/7453 kHz, 20-10/21-10, 0800/0810/0820 UTC

00000 58471 17013 01159
11100 00000 58471 17013 01159
94840 81440 74920 12001 31980 85697 78028 81149 67593 21642
88803 00214 38668 04755 88684 46655 33847 35107 10904 01379
81561 24693 14862 08184 85056 60194 37278 17113 76286 60467
17023 95911 10812 38056 40417 43972 75290 24226 03847 93300
29570 66908 40794 30751 55157 60745 09841 25791 32099 18874
90820 98519 16013 45566 85680 11893 37265 19278 71334 22942
93862 45464 00904 76951 60483 88403 00615 79330 84960 41575
59080 29310 94477 45816 55798 49941 83096 14846 25702 98898
02704 77182 06927 93984 29113 94208 68242 38491 25211 63517
63419 79952 73086 66989 09038 87348 96951 73001 33022 80652
48849 52045 90396 97405 78708 15308 93347 30542 61144 35311
52434 21897 00351 31130 00000

11128/9446/7453 kHz, 27-10/28-10, 0800/0810/0820 UTC

11100 00000 05637 24014 00899
94576 55511 07339 57933 71655 86207 24735 51522 07682 82039
58874 79435 44951 15012 47386 92881 29816 43423 89459 01264
51547 99926 54871 61060 05509 01164 00926 04267 54090 46170
33234 86066 83831 95744 71286 56434 82172 49954 04750 85345
82272 65973 51411 96293 49331 83449 52738 87794 06852 49564
67956 47559 26285 60998 52614 89042 28487 64975 32547 65030
70430 86571 09194 37973 15612 74492 57202 11741 11582 82480
00247 54494 23045 28568 76019 67354 93962 99339 26305 78564
37101 91406 73102 67818 74450 07275 66713 14087 00000

Link 10053

18957/16317/12217 kHz, 05-10, 1530/1540/1550 UTC

11166 10053 25813 05078 00049 00000 00000 00000 00000'

18957/16317/12217 kHz, 12-10, 1530/1540/1550 UTC

11166 10053 74523 12001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 19-10, 1530/1540/1550 UTC

11166 10053 13957 19001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 26-10, 1530/1540/1550 UTC

11166 10053 25813 26078 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 07-10, 1650/1700/1710 UTC

11166 10053 95184 07001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 14-10, 1650/1700/1710 UTC
11166 10053 32147 14001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 21-10, 1650/1700/1710 UTC
11166 10053 85213 21001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 28-10, 1650/1700/1710 UTC
11166 10053 13579 28001 00049 00000 00000 00000 00000

Link 60070

11617/8193/7481 kHz, 14-10, 0030/0040/0050 UTC
Too weak to decode

11617/8193/7481 kHz, 21-10, 0030/0040/0050 UTC
11166 60070 16498 21001 00049 00000 00000 00000 00000

11617/8193/7481 kHz, 28-10, 0030/0040/0050 UTC
11166 60070 74523 28001 00049 00000 00000 00000 00000

Link 70059

6848/5433/4840 kHz, 06-10, 0400/0410/0420 UTC
11166 70059 13649 06001 00049 00000 00000 00000 00000

6848/5433/4840 kHz, 20-10, 0400/0410/0420 UTC
11166 70059 26489 20001 00049 00000 00000 00000 00000

Link 70202

10541/8113/6791 kHz, 01-10, 0700/0715/0730 UTC File 44456 (binary contents)
11173/9246/7611 kHz, 01-10, 1200/1215/1230 UTC File 44456 (binary contents)

10541/8113/6791 kHz, 02-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 02-10, 1200/1210/1220 UTC
11166 70202 28451 01057 01339
69072 17165 64628 30244 91246 43044 71700 67174 49664 33530
64089 68660 53525 28652 87032 61352 13406 42878 95852 11779
86533 60273 75505 42844 53030 84450 34058 19954 40293 29229
99775 55211 37714 60972 76511 03110 68910 28506 37084 46173
13669 41582 59329 93976 96783 83811 34522 43972 85972 71008
02839 77586 66067 90879 95563 89991 81658 85002 88723 77016
65382 59023 97830 27622 94049 32017 68428 95377 39777 60942
42123 47380 08345 01136 02800 14057 81935 88774 32688 88275
08458 56253 32990 47215 04644 16403 88743 95425 65097 76503
82604 52520 94493 68009 87254 33927 05107 02943 91097 98148
46852 92879 36954 58967 62050 91475 78423 86020 82065 46458
83617 42199 08047 72036 40935 31295 42923 77651 46586 54349
66860 14019 78530 98113 73366 22386 86539 04094 08227 97955
53052 57131 00000

11166 70202 39516 01058 01999
78261 92392 79070 28323 57734 64694 44842 26434 34313 76441
41500 67605 70878 19360 89274 35967 78001 70893 73306 21849
05442 45440 68593 90248 03275 93737 05656 52930 01082 92580
87867 98802 78650 92049 96377 62307 26611 12462 43577 34464
20453 08198 61024 46292 56364 40630 32795 79277 22310 27304
10172 82576 02819 59587 68618 01650 40889 05958 92978 48003
05460 43126 01841 64739 37895 82176 46987 67587 75898 81914
48891 66114 78312 66613 54180 94796 99235 90333 26008 08646
84891 15022 03283 23068 91684 94561 89668 02656 48897 81965
58321 28585 14435 01910 83273 99319 97096 55777 33426 44300
43769 51412 90070 55309 15007 74772 73884 65205 97430 45657
92337 28697 26379 24710 43447 84862 17244 63874 36813 06099

28947 17500 17883 63170 07975 56273 06372 61076 86418 51170
84783 25390 32456 19624 97960 43785 76715 51071 49617 92418
62948 54098 06773 01871 96465 92340 48035 42314 88759 01354
16678 32619 21750 03615 64423 03065 80110 63868 96905 66354
25087 51986 56711 76617 08257 05530 04973 81088 48680 09218
87422 94148 21851 33466 95862 48418 33911 99201 60981 02587
79559 61136 37454 10672 07078 26673 67268 82386 38936 52664
32205 89312 21389 87167 31424 96554 01530 58197 00000

10541/8113/6791 kHz, 03-10. 0700/0710/0720 UTC

11166 70202 79326 03087 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 06-10. 0700/0715/0730 UTC

File 44459 (binary contents)

11173/9246/7611 kHz, 06-10, 1200/1215/1230 UTC

File 44459 (binary contents)

10541/8113/6791 kHz, 07-10. 0700/0710/0720 UTC

11173/9246/7611 kHz, 07-10, 1200/1210/1220 UTC

11166 70202 68214 06060 02119
64513 37336 59336 68062 76833 28934 68384 73966 36519 12457
82859 87574 95404 84456 47407 16575 89174 84556 41183 36883
73169 43252 60577 25063 78219 29800 02441 93175 78677 61152
52481 49521 89846 57855 08525 33691 37001 57863 93324 99371
63158 24197 36614 43344 67825 07392 31078 04112 93879 48661
91944 78588 04783 34729 74872 30303 19319 40251 31832 87531
96034 18779 09655 54818 84577 28190 20951 86307 86113 01535
42078 94331 90014 99225 17849 91690 79005 03515 77657 91058
19953 41189 92728 09961 82487 45436 29162 54750 52644 92793
76467 82026 33712 76148 56269 60936 51475 99694 40889 84787
06043 06813 36459 05417 37436 76789 10292 88751 97144 51328
67163 15001 42822 76775 04218 71906 98312 73015 99165 14506
46201 64955 11479 89830 45065 37547 01250 49991 88624 00288
95427 02067 48975 72121 56094 68258 71084 22695 30483 54732
10756 30898 87425 52587 33226 46620 69905 19394 14601 66675
18416 14733 13310 60824 44813 88178 03766 08821 61329 43162
89421 34448 94464 25145 37407 47449 38421 07553 01935 29315
27776 73896 28665 23853 34086 19528 57217 18483 16097 21454
64004 27184 78258 49657 12598 11052 17231 18367 03794 97380
61058 00691 42574 83219 30715 55084 64148 34346 78692 37055
86271 15581 84336 94572 80010 13385 10600 70596 76160 60209
00000

11166 70202 15493 06061 01819
80636 64054 25957 53887 82442 78722 97702 55718 62461 10006
94341 61405 10306 80942 80941 20687 71615 79474 70919 44174
92095 72382 64459 39208 15556 89237 37033 96206 34393 68564
38952 30187 15954 83394 91899 07151 53209 88408 93362 10020
13189 55835 64921 23812 81601 92322 05313 44741 27089 53943
34233 42931 33543 01536 37781 33427 73925 63564 51514 35203
24036 98683 42033 22838 39652 75208 73039 00556 45485 09646
66803 53320 09399 31520 96982 54665 00308 66631 73721 35953
53213 55982 06975 46740 89803 52514 58993 60950 68055 62881
21906 08534 59277 26419 81332 37303 76036 48515 51980 34627
99395 30559 96136 63683 78911 63658 61023 93944 03813 78319
95920 30590 68823 67266 35032 72533 83035 23595 56992 53747
95296 61444 56984 47583 34536 11376 92385 38756 88472 07650
87889 92702 69127 09582 11039 76985 38608 24163 54099 14438
93571 22150 83225 72730 31818 64787 40852 20054 49455 83370
12232 01603 42061 78820 92087 16548 08298 33473 12288 00182
79389 52258 16499 40932 22930 75461 92746 86916 94435 30257
99831 21751 35098 13198 48515 14267 39157 20847 23447 61179
00000

10541/8113/6791 kHz, 08-10. 0700/0715/0730 UTC	File 44462 (binary contents)
11173/9246/7611 kHz, 08-10, 1200/1215/1230 UTC	File 44462 (binary contents)

10541/8113/6791 kHz, 09-10. 0700/0710/0720 UTC
11173/9246/7611 kHz, 09-10, 1200/1210/1220 UTC

11166 70202 84512 08063 02139
43284 14245 72140 38317 83984 67621 94152 52857 23118 15649
97164 87660 22707 75740 79740 68044 46819 30607 42314 05628
75789 68137 30372 32992 73286 85453 98434 42349 73385 93047
74531 26645 79857 79965 29842 46548 94850 25958 83213 71752
19148 71543 95216 70030 91202 81915 31448 42485 57128 65640
99754 28425 88829 34074 91073 28305 92469 12442 78567 18177
74454 38509 54757 54077 57125 09797 11324 89792 61344 65263
91272 56444 98164 12396 68156 77326 36769 35656 32023 16436
40864 47200 86804 84128 90718 65836 88809 48343 33039 35124
81017 24833 25856 16590 02863 44831 70630 18962 80195 23603
48735 49391 25107 78306 04543 97569 00297 68618 42257 88708
27692 58536 28727 66291 45980 22824 19384 90559 46763 46514
49521 63645 44005 90918 58096 17316 56481 24579 36230 24246
07882 42596 17609 18759 74302 22778 52965 37989 33766 92038
35828 19381 97496 01489 71730 15479 27611 33660 08064 11943
70925 90285 66758 59710 63565 34097 46991 57277 86059 83053
90093 43995 73617 80451 23860 90347 11259 89356 28431 96142
68502 84781 90955 32544 53290 42059 41200 88891 89839 44846
85312 10247 50104 61188 79904 36589 93540 61094 13672 79625
94858 74050 88703 98118 64452 09911 18696 57698 91189 91605
86249 86079 62256 73105 26426 59630 39737 41074 28774 82220
98619 63211 00000

11166 70202 98652 08064 01879
47015 26990 83762 23122 77506 62889 09669 30702 35626 04479
22081 62662 82724 65420 98862 31053 67700 08445 19851 40993
20817 83185 99785 74066 64414 48485 43599 83525 82703 90115
78760 74756 17827 69844 44356 69434 84381 66784 41595 76804
19583 96971 75430 20530 11264 22095 41978 94549 70884 83329
41427 46370 43764 21204 21127 11239 73693 67441 78528 45634
64136 19706 78690 33510 03198 35203 66012 63731 44553 04060
74895 02138 61517 88432 69025 06676 16449 38270 63941 59029
12671 19678 12610 11200 21102 16816 58655 70459 98780 93268
86974 71121 41472 23830 26385 06569 37540 32626 84019 19964
15285 98531 16149 77102 00919 13810 65109 69818 29371 06902
17037 23404 75125 65329 60093 06465 95247 19617 47856 66657
01822 74197 97585 40739 05958 96224 78030 12378 00578 98232
66482 16148 74153 75577 79747 11157 72588 84613 08738 72738
51435 72509 11359 75650 85630 94686 43389 67212 28935 80768
32029 53824 40274 35020 21825 49298 19154 82190 47631 58446
17348 94705 14316 94361 19046 62139 87896 52825 06642 88917
27781 92278 54357 31175 14816 92806 16878 08713 54817 92551
05208 52991 62283 25015 66911 64185 00000

10541/8113/6791 kHz, 10-10. 0700/0710/0720 UTC
11166 70202 25847 10258 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 13-10. 0700/0715/0730 UTC	File 44465 (binary contents)
11173/9246/7611 kHz, 13-10, 1200/1215/1230 UTC	File 44465 (binary contents)

10541/8113/6791 kHz, 14-10. 0700/0710/0720 UTC	No transmissions
11173/9246/7611 kHz, 14-10, 1200/1210/1220 UTC	No transmissions

10541/8113/6791 kHz, 15-10. 0700/0715/0730 UTC	File 44466 (binary contents)
11173/9246/7611 kHz, 15-10, 1200/1215/1230 UTC	File 44466 (binary contents)

10541/8113/6791 kHz, 16-10. 0700/0710/0720 UTC

11173/9246/7611 kHz, 16-10, 1200/1210/1220 UTC

11166 70202 75316 15067 01639

74444 26162 20337 87542 22118 97341 58150 75534 03484 45083
70868 56349 29523 64317 08223 29015 22213 74081 86174 52210
44350 10407 70104 53995 16979 57194 47958 91257 85347 19773
16760 76046 19348 70811 30947 10993 59354 23289 85956 00996
43414 10201 35507 33370 76729 75688 66004 43635 29349 07285
76515 09135 73035 63960 37749 37684 93212 79657 28473 43409
36965 46999 72813 26999 83000 10864 26872 02526 44523 26505
88090 38038 40957 61918 25816 02117 99453 49127 56485 33566
72122 14084 11884 76446 79921 39869 73905 47620 19143 42889
74250 29003 91439 66732 82507 01719 43320 23407 31050 64326
26053 36615 50185 02323 11922 66774 11996 01101 27764 22463
06312 19548 91731 87970 97246 66486 64215 21665 33736 47122
48858 04834 12525 71709 04617 45706 17021 43601 54784 68339
80480 68893 03929 41058 46934 54825 98676 24123 28313 89148
93286 41337 81196 17633 05938 05253 51635 61907 76686 50694
61468 44821 63011 56252 34591 15509 33908 58469 86594 91354
73094 67161 00000

11166 70202 95874 15068 01799

09938 34344 56304 25033 84845 97278 14026 34264 60967 62004
29630 29107 03955 44164 93223 94544 85968 15756 95825 15821
58979 40428 49598 98353 48104 08875 08570 90095 57139 35263
94533 29767 03489 00639 57804 69408 24681 54233 27533 44689
23646 08630 31253 91405 44960 89705 88360 31603 99223 27296
07199 77775 77779 97529 40449 28556 24950 52747 78506 54360
59975 99968 85537 96402 65851 13818 07894 27529 87249 94875
09579 48303 04706 09366 14458 16788 77262 71129 59884 35455
70760 51829 91447 43655 13961 30305 53520 89097 49686 17032
55286 76771 73169 14612 16959 18743 74794 00239 25847 33270
29425 41070 56979 66673 99495 78455 37972 36395 44063 41939
62810 18686 51006 78991 84252 29367 34552 11399 39531 71080
65319 54255 89045 45499 25080 58479 72722 53901 03404 62817
13751 34568 78392 66241 24361 10435 48676 56709 93336 45428
08875 57201 59969 32944 85702 74981 04107 64877 76893 65018
07016 54668 60165 43506 62729 12779 64375 12418 44562 98059
20074 81033 56507 93424 31648 95375 24161 79279 38221 11496
04905 03153 55524 73543 22003 68938 15899 68177 00000

10541/8113/6791 kHz, 17-10. 0700/0710/0720 UTC

11166 70202 85246 16051 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 20-10. 0700/0715/0730 UTC

File 44469 (binary contents)

11173/9246/7611 kHz, 20-10, 1200/1215/1230 UTC

File 44469 (binary contents)

10541/8113/6791 kHz, 21-10. 0700/0710/0720 UTC

11173/9246/7611 kHz, 21-10, 1200/1210/1220 UTC

11166 70202 17458 20070 01619

62834 05466 59243 22087 85282 67295 38096 73741 74969 94940
83224 88104 61380 54952 97971 09792 82124 83004 73864 37230
08315 04565 62725 26972 84897 30273 22322 65686 09355 43218
21491 39513 97226 20291 15662 55469 07884 54814 28742 94589
28998 72620 02280 01498 43137 58784 97846 40088 24923 37177
63589 70009 42202 70049 00869 23634 59648 69814 91943 88208
68253 40230 74622 22863 89126 89161 74823 65168 25051 80109
32983 06944 58232 14707 85257 43975 17676 63342 85434 29356
64628 86135 78512 85128 69526 11416 61877 51908 78885 63917
95013 81191 95562 59862 43684 00016 20847 11137 69528 02685
31793 05720 01002 49219 92248 56586 46599 75240 21019 36241
36308 42963 65583 39096 02216 87995 54828 38857 34216 41617
29217 33124 71752 33243 71836 92384 17529 02748 88762 55589

84140 77332 12179 39493 09543 92643 24689 53960 02307 62810
28252 40408 02604 29091 06193 75587 69843 41830 51707 07878
32912 55393 61316 18293 63945 40789 16692 23381 61575 70159
00000

11166 70202 19852 20071 01879
59035 34784 59193 22567 36139 62850 92250 51391 97475 53158
49692 07067 13014 90769 07968 02580 76370 62212 66885 47778
65873 79500 63445 87310 77969 65969 94759 83962 87699 77357
17242 83350 15900 56593 14253 20900 07836 45697 49386 57043
52943 03258 47595 51576 00380 00912 71330 13119 50053 97260
83891 84605 23836 12671 17168 50748 46633 53390 85961 78413
92012 58415 16087 25845 72059 67548 78419 81666 76170 34095
46090 19621 88451 30611 17017 79951 38421 21167 68948 13395
64698 98547 39223 48703 96374 09833 46414 69641 81733 18792
96063 12389 19040 78533 37683 19299 69053 12852 65207 09933
53972 29691 78103 55323 72493 15185 45299 66398 85669 81698
39140 32495 53253 68308 31549 70918 25225 17166 69581 73468
18169 74171 72565 60875 31221 87409 18003 81083 81234 01769
08442 12325 61882 73195 36478 56912 56375 51010 90096 36686
58471 01732 65536 26072 81477 72838 79851 83661 59934 19911
00379 68274 73652 45592 33274 50422 48807 23799 38335 55131
15768 07627 62261 97036 28357 44382 07577 93710 74216 46182
79373 68146 30983 89556 77078 76340 47941 42497 23425 20904
57865 42372 47825 36662 48709 71185 00000

10541/8113/6791 kHz, 22-10. 0700/0715/0730 UTC File 44472 (binary contents)
11173/9246/7611 kHz, 22-10, 1200/1215/1230 UTC File 44472 (binary contents)

10541/8113/6791 kHz, 23-10. 0700/0710/0720 UTC
11173/9246/7611 kHz, 23-10, 1200/1210/1220 UTC

11166 70202 64297 22073 01799
18680 09054 54799 16977 40555 74071 05648 37815 66677 59178
27772 52004 58507 37862 94552 31119 72220 57579 51147 15369
56014 70039 84694 58397 42830 38550 79781 98345 74415 02101
57593 47367 17677 00865 22200 16800 59254 92823 62401 20159
89255 16182 82587 21153 10086 77282 61023 18907 31317 68688
59031 87584 36528 47129 29478 12582 33050 26001 98015 90500
20570 62107 15522 85075 39507 41315 05160 56241 85123 92835
52512 04541 98286 86799 12212 98042 68830 94823 29524 73975
12460 18250 00293 32248 07116 13750 17720 63058 99756 70982
79384 75767 19491 21982 52965 21234 57987 86984 24079 24790
03112 86353 74696 72050 36727 73315 65560 14743 32582 67183
21038 88743 15246 91749 39859 61506 66007 48552 80168 51076
86686 79680 92332 83870 57298 99827 97937 83419 48494 02265
38416 07248 74730 68431 41737 74091 99096 35823 80609 48633
25743 03869 20613 75943 40835 82486 81722 82817 87995 12999
61636 88195 89141 16099 94366 89846 46677 46559 42517 19520
87970 59361 46694 83730 38053 16939 80476 32381 31477 92230
84396 22407 99275 47203 77357 68619 91948 73177 00000

11166 70202 41852 22074 02079
10887 34830 76170 80284 59319 28877 83862 96166 76516 57215
04413 28658 64928 15275 05862 47432 95257 43264 97729 17452
54111 58175 59772 86487 00341 29237 88015 59063 53510 14022
44021 86511 62938 97374 18303 27835 30736 00372 43854 61049
87289 51479 20693 49705 42619 37108 37396 94277 62060 73753
00535 23099 39693 68900 07956 02535 67965 62886 26856 71084
26943 68913 62574 27093 41632 53387 29042 24767 80796 23774
56837 58178 95722 16173 99765 37940 22363 99774 25924 90248
95294 40405 04166 32979 46929 90339 21918 08514 90421 96572
95279 77997 09699 44734 57353 06711 05063 80832 35719 95237
67788 78025 55027 36126 82174 40590 25604 00723 78464 62293

04051 85870 85084 81340 36738 75157 53639 99092 22154 94401
55100 54748 53041 66069 70613 73160 24243 92296 25384 27991
17229 21217 39063 87382 97200 76277 91067 34339 83741 53229
24290 78999 80942 14482 35617 04995 77924 35509 26707 17071
55724 82989 13453 82175 61455 29380 17583 81182 35694 33595
88815 13454 04027 42488 31034 21413 68696 92827 30885 27339
61277 18443 12269 99538 42329 92230 65142 90115 58964 57723
22076 11498 96247 29880 80995 43930 83400 69821 97568 91102
40716 63160 95638 26123 78133 56645 69177 94996 81417 32787
74172 69820 46869 27163 33892 74205 00000

10541/8113/6791 kHz, 24-10. 0700/0710/0720 UTC

11166 70202 97852 24017 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 27-10. 0700/0715/0730 UTC

File 44475 (binary contents)

11173/9246/7611 kHz, 27-10, 1200/1215/1230 UTC

File 44475 (binary contents)

10541/8113/6791 kHz, 28-10. 0700/0710/0720 UTC

11173/9246/7611 kHz, 28-10, 1200/1210/1220 UTC

11166 70202 95428 27076 01939
61325 72602 33344 84727 34552 45799 25555 31514 70088 96247
65364 87065 23626 09124 87230 41517 10065 55091 00292 94736
74620 64601 53669 51585 12867 46843 24914 32898 69382 01741
73784 13124 69707 98467 28543 20563 65278 18895 96960 61139
96048 89424 19219 51650 00466 49629 04888 73418 27501 31161
21177 82295 30419 45336 24647 35955 46971 02859 53556 24400
95701 14105 23049 14635 43058 43417 90357 45437 20988 15836
82216 33160 99707 99705 01661 74509 45340 13610 56422 57232
17103 31047 76080 14650 83729 81306 10177 84979 63821 69966
24476 61377 19810 67467 37558 43640 60224 39178 64920 27504
29941 15416 62804 92485 93112 24833 88900 74186 38462 39627
22147 32010 61622 06006 08788 48232 04218 58338 26896 19350
54371 40439 86540 25655 38326 82420 07778 89969 57862 06539
43672 61476 53208 60496 40518 85588 96124 01611 52458 45785
42856 80305 52682 88364 01622 96356 08398 66039 94360 26322
11757 61318 17390 45614 83925 75617 30682 93621 94487 95017
30442 55350 63369 68631 84674 57998 37466 60503 36418 05906
59167 60974 04360 02334 68964 68471 35479 31482 09324 77627
89449 99211 22022 34703 59454 55886 56120 46215 59120 49787
28779 76191 00000

11166 70202 31879 27077 01859
38253 85809 12199 42963 94814 88851 81210 20207 57868 67903
93330 54870 50227 68546 09068 87460 39239 26625 78117 93869
16448 35274 18285 98745 58201 16745 18337 08500 84416 84944
94466 12370 57664 09640 55055 24993 89782 18259 53427 68922
48193 96224 33277 20515 79112 71765 96459 67642 89846 96130
47839 52655 57353 55162 96860 99033 55263 73137 20565 45173
16545 94852 17703 33733 73998 56849 08658 29990 45776 83751
60857 67629 58105 70627 44353 45426 22402 37335 47273 23227
08976 65768 05815 90699 84498 55953 28491 07266 05427 61934
19284 36665 84578 93376 29426 24587 73032 93833 92476 92803
24551 31606 22385 48250 34711 64146 79234 30472 71928 61925
32343 45903 42563 02713 75421 62387 57294 72206 73465 62395
90955 31951 46073 78372 53010 40465 16881 58647 10859 38547
83793 37350 33174 34663 89707 06768 45431 51379 98405 15582
14839 18765 05322 41419 06855 25701 37848 11161 80465 65042
24887 67437 14425 33565 40325 04757 81639 72629 50123 23697
13882 60510 17705 76603 24027 92323 47332 03229 77996 08486
70165 79745 33591 57646 02671 29587 88412 05034 32096 69528
04049 22144 08672 77183 00000

10541/8113/6791 kHz, 29-10. 0700/0715/0730 UTC File 44478 (binary contents)
11173/9246/7611 kHz, 29-10, 1200/1215/1230 UTC File 44478 (binary contents)

10541/8113/6791 kHz, 30-10. 0700/0710/0720 UTC
11173/9246/7611 kHz, 30-10, 1200/1210/1220 UTC No transmissions

11166 70202 65912 29079 01659
67147 47600 38566 91053 37392 91739 17502 45172 46505 36460
69599 11711 27324 70532 36641 64201 45623 88433 94013 69596
61243 89730 16381 60361 07282 68793 95004 64859 60791 62032
42677 75734 03419 44841 47177 60961 95419 95431 59206 47260
11496 67751 25730 30571 11879 40676 04671 93252 44484 14717
76096 19541 99543 15920 64726 01149 52883 37955 64556 21190
34502 36985 79919 26682 43539 80957 48304 84176 73603 67971
85479 73852 07309 94665 67489 15175 13144 34315 89882 06754
63531 20881 56715 15134 97513 56205 85281 42193 76518 82541
37506 25850 06606 87600 13929 53748 25679 34305 71234 94623
79059 32441 49239 77037 31883 94385 18304 70150 91753 42110
83086 46246 40078 57638 03579 29672 95545 94144 19367 61898
58156 89895 88057 37375 07268 52195 73794 89879 52074 03554
46812 34039 57968 07239 79964 91713 97217 14411 53161 57936
97399 00037 01653 86082 86019 79748 69099 96975 54766 24851
51369 41599 91827 17669 41982 72109 55714 14400 15169 00837
89020 07686 07450 79163 00000

11166 70202 54720 29080 02019
11635 98148 10448 88971 83660 77023 16423 66214 53464 77894
49476 22143 22263 46864 15199 35084 08519 85393 41659 24263
77761 43183 62599 59536 60019 49057 90573 20839 15777 84515
03466 24517 36409 29651 92821 58748 90024 36113 47440 95227
48655 06819 70646 69318 57738 87081 54706 45835 33807 96855
60797 12671 01356 58785 77986 69433 04796 01733 59650 03301
56445 44494 60777 69256 06495 89368 24575 16919 45885 80283
91846 31135 78022 05155 31548 78530 20295 47178 15975 77209
21294 14726 89023 31777 04714 04555 00947 00892 75830 77988
08053 89517 51531 54791 60790 83075 99809 54390 28643 65670
99667 39160 35276 89596 57373 39442 02384 88293 39998 64983
25653 49946 12181 32498 31308 93922 87042 64024 86644 17227
27214 35771 63013 03159 56884 82141 74685 09370 70832 84613
42026 77500 51359 00184 52423 31589 29077 09035 17419 57433
48478 86140 49451 80099 24226 26477 06681 81763 99110 78538
79305 27072 39597 65840 15830 88205 29914 01094 12705 86847
50606 22753 15786 95217 52511 08604 07046 63396 62068 46097
74981 65086 78924 64103 92142 79032 51754 55782 48234 48264
43249 47256 12219 84367 20195 91765 21861 08954 29590 94008
24151 49529 46736 94331 15047 31946 06236 67485 51963 80199
00000

10541/8113/6791 kHz, 31-10. 0700/0710/0720 UTC
11166 70202 28514 **30**256 00049 00000 00000 00000 00000 (wrong date)

Link 80214

20321/18629/13983 kHz, 02-10, 1330/1340/1350 UTC
11166 80214 15269 02066 00049 00000 00000 00000 00000

20321/18629/13983 kHz, 09-10, 1330/1340/1350 UTC. Wrong date in the header
11166 80214 97642 **08**024 00049 00000 00000 00000 00000

20321/18629/13983 kHz, 16-10, 1330/1340/1350 UTC. Wrong date in the header
11166 80214 25471 **15**692 00049 00000 00000 00000 00000 (wrong date in the header)

20321/18629/13983 kHz, 23-10, 1330/1340/1350 UTC
11166 80214 58164 23036 00049 00000 00000 00000 00000

20321/18629/13983 kHz, 30-10, 1330/1340/1350 UTC
11166 80214 97863 30033 00049 00000 00000 00000 00000

F06a

17481/19834/22875 kHz, 01-10/02-10, 0600/0615/0630 UTC	File 49462 (binary contents)
17481/19834/22875 kHz, 08-10/09-10, 0600/0615/0630 UTC	File 24463 (binary contents)
17481/19834/22875 kHz, 15-10/16-10, 0600/0615/0630 UTC	File 43464 (binary contents)
17481/19834/22875 kHz, 22-10/23-10, 0600/0615/0630 UTC	File 44565 (binary contents)
17481/19834/22875 kHz, 29-10/30-10, 0600/0615/0630 UTC	File 14466 (binary contents)

23955/22899/19851 kHz, 04-10, 1600/1615/1630 UTC	File 44533 (binary contents)
19331/18187/17478 kHz, 05-10, 1600/1615/1630 UTC	File 44533 (binary contents)
23955/22899/19851 kHz, 11-10, 1600/1615/1630 UTC	File 14434 (binary contents)
19331/18187/17478 kHz, 12-10, 1600/1615/1630 UTC	File 14434 (binary contents)
23955/22899/19851 kHz, 18-10, 1600/1615/1630 UTC	File 47435 (binary contents)
19331/18187/17478 kHz, 19-10, 1600/1615/1630 UTC	File 47435 (binary contents)
23955/22899/19851 kHz, 25-10, 1600/1615/1630 UTC	File 44636 (binary contents)
19331/18187/17478 kHz, 26-10, 1600/1615/1630 UTC	File 44636 (binary contents)

10183/9143/8138 kHz, 31-10, 1800/1815/1830 UTC	File 44047 (binary contents)
13574/12142/11456 kHz, 01-11, 0600/0615/0630 UTC	File 44047 (binary contents)

Pierre found the following very interesting transmissions. *This is the first time I ever see F06a carrying anything else than an ASCII text file containing a 5FG/5LG telegram, or a seemingly-random binary file. (PY)*

12185/9975/5741 kHz, 17-10, 1200/1215/1230 UTC
12090/11083/5936 kHz, 17-10, 1500/1515/1530 UTC

File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico. Matching passwords were found for those zip files: " (SlsR9" (with a leading space) for 44401, and "7acJ:5 for 44402. They yield extracted p822692.ico and GQQ465625.ico files with seemingly-random binary contents.

There are hypotheses that these passwords could just be false positives, or even decoys.

12185/9975/5741 kHz, 18-10, 1200/1215/1230 UTC	11100 00000 82461 18001 00049 00000 00000 00000 00000
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You can find all files on the N&O website.

F07

11147 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/31-10, 2000 UTC
10463 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/31-10, 2010 UTC
10176 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/31-10, 2020 UTC
9248 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/31-10, 2030 UTC
8173 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/31-10, 2040 UTC
7629 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/31-10, 2050 UTC

Test transmissions

9341/10713/11564/11590/12195/13441 kHz, 03-10, 1200/1210/1220/1230/1240/1250 UTC	2 blocks
8154/9285/10713/11590/12197/13528 kHz, 17-10 0800/0810/0820/0830/0840/0850 UTC	3 blocks
8154/9285/10713/11590/12197/13528 kHz, 17-10, 0900/0910/0920/0930/0940/0950 UTC	3 blocks

18726 kHz, 09-10, 1300 UTC, FSK 75/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.

RYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRY
11100 70103 25478 09135 04003

06053 57483 30510 17137 93311 92247 16515 07208 39496 80352
33092 21045 16856 75110 82132 19741 64033 10628 13632 25611
29295 86707 93968 82340 65031 10108 55924 23830 65718 53074
35124 75163 66513 15108 22601 34143 44694 98883 88145 06837
91112 36267 54159 95551 43854 25376 24672 62704 01292 64600
99229 18990 56728 94543 26333 09318 21797 83804 76105 94935
30832 19553 36900 55177 43373 88814 65508 57284 87005 61430
45681 67725 07723 10605 34621 03462 19993 31990 02172 46588
73719 47246 92352 70791 80283 03011 61953 53066 64862 01211
75866 69114 37195 21670 63840 95881 97997 22926 68352 69654
23212 32221 38278 73163 93269 60578 48050 50133 59567 03923
46994 70696 65335 16170 68524 96142 63084 65222 53894 16407
95827 07821 70184 58758 34258 44178 27213 91110 87064 38328
23062 68407 26591 15148 72907 95501 97006 69965 00831 04987
97183 51711 99312 73395 55474 05539 86083 24228 38565 85853
13033 91221 61604 75694 06852 40318 91782 73394 46097 73763
62562 32471 04383 64763 40735 65668 42792 06133 35503 49104
32160 01507 87761 87450 07112 32116 18782 26083 86178 98298
10474 21143 08058 58454 54416 03451 66469 54310 99845 97197

79603 32454 37697 45932 07595 95223 39359 61968 69656 31240
29511 70784 42615 33296 90445 50533 25606 13936 44248 83381
63237 40027 19359 57121 97366 10383 32483 43429 02178 49902
53007 88734 82244 18641 42135 78611 38276 59274 83905 61656
30215 31358 50305 43764 92397 05862 67636 88758 80444 18382
76358 86307 54578 04489 01560 73057 29060 65635 76266 17929
42420 39076 84775 07514 28180 70225 18187 92504 90747 10887
59336 81093 16182 91814 39304 90287 72500 43014 32702 91067
79229 60240 83909 08332 50881 41126 81458 61568 44041 39376
22746 57176 62757 10459 36273 68397 01919 47252 53585 63770
33308 29055 48108 70072 64019 32425 83067 80655 21924 77261
35679 45141 47877 06589 89790 01396 99350 23464 14171 35729
95177 33448 68638 82255 56095 66087 05193 97347 20783

After the message some operator chat followed. It ended with QSP QRZ QDG2 QSA4 K. OK NIL K. SK

18726 kHz, 16-10, 1300 UTC, FSK 75/500

UAG: Russian embassy Havana wkg UAL: MFA Moscow.

UAG UAG UAG
QSA? QSA1 QTC1 QRQ75 QBN K
QSW 20115 QSW 20115 K

After UAL's frequency swich:

UAG UAG UAG QSA4 QTC1 K
QRQ75 QBN K
RPT QRQ75 QBN K

RYYRYRYRYRYRYRYRYRYRYRY for 10 mins

11100 70103 29473 16140 04003
39267 29074 63569 45525 38450 22650 85684 56847 46741 62239
73032 34244 05277 53984 33648 79487 05901 47031 37844 42073
60721 00026 44455 19166 45576 17241 75215 96268 47130 02772
79474 39546 68259 06230 56436 75756 71429 58381 27101 20704
64753 20166 73096 42181 60401 93532 84601 68305 60073 67520
84535 77213 47203 98045 21198 29038 90591 44805 46563 26105
89148 13751 22400 12294 12440 78569 21413 47493 16722 79601
15594 18093 41152 23640 68959 69452 13858 33044 76880 71267
22568 17611 19175 51803 29464 67634 19157 61890 34979 91592
25839 54665 20192 46905 61453 91953 22530 37195 01505 13262
24461 74483 79522 28300 59860 29777 33708 68975 67735 20457
37670 61801 48011 07936 82423 06649 99043 03993 01847 72788
41568 09250 00204 46228 88753 32202 33977 02733 07062 62267
85029 52153 77594 95260 67554 32171 12615 34757 35736 70230
06933 17771 64467 64892 48843 38189 60256 09123 80295 66387
53091 18361 81000 88487 86446 49311 06140 13674 47625 20399
32381 23015 05618 69817 91880 58228 48672 12117 98963 73820
38752 79260 99162 01048 25082 57092 95313 97127 83960 53157
30384 78144 77031 56798 31731 59078 45196 77482 46469 49412
80362 72284 22645 77725 42212 98469 15892 43747 12171 52109
26267 21274 01778 78669 94949 60412 57637 66513 15489 62572
30134 59247 39289 26654 98115 47854 80026 89859 66706 28546
46673 11573 80469 37284 59824 73749 19068 96887 31012 96236
67656 37682 09700 90481 79146 77625 27632 00050 70567 72830
95243 01405 20689 74451 29799 63370 61107 52844 19967 88726
77969 74951 56495 86375 66535 45854 83701 47502 05754 50409
51438 24183 45049 55934 72246 33874 20505 61858 13359 38212
42621 07282 78266 69570 22850 72390 57519 03807 31083 34647
53444 02643 01287 65710 08492 74100 27466 80012 91871 24458
17149 70936 24180 00131 94580 95523 44705 42943 70810 93659
51092 07210 22857 52668 66060 12076 49152 53247 10863 27543
93430 57703 90162 17628 54273 26395 18031 89090 22477 73341
39742 19156 13446 96934 29059 60689 86794 46673 65687 48242

UAG: Russian embassy Havana wkg UAL: MFA Moscow

[illegible]

48606 42645 17139 48533 12248 50214 90360 34370 54443 98029
72526 55074 79512 91953 89213 94858 65130 78431 38056 43906
47348 38380 01940 83133 38143 43680 75197 33889 67675 37195
07475 96036 68436 22269 94959 22847 43476 72631 73657 06150
85909 98650 94417 70178 41870 30878 84369 97535 34114 06799
24486 35732 88455 71764 97938 57728 30217 30006 88942 74915
42895 06691 36784 25978 06211 06946 74700 90068 55751 82800
08320 97741 31374 43970 13332 38077 06572 73420 57095 85426
15982 33670 73842 94240 23226 74732 48201 35381 96268 79676
86693 72391 82489 08705 81914 01137 00639 27717 99076 01262
91883 32274 39597 72902 97123 02920 61436 57095 52757 52774
60845 63304 22099 53367 45243 52523 04625 49615 51885 49379
90240 99904 92019 81675 50753 02211 25226 70817 85739 92187
93610 21549 64995 24164 70555 84451 34757 70995 03707 89624
79876 03692 56887 75004 59142 36778 80620 57737 95932 50306
65511 22071 77789 24468 61307 22181 32293 47744 56893 23386
90846 84525 66641 30119 58521 13146 62070 74271 41185 70255
37935 62118 07693 62489 14300 03424 29101 31351 04717 71100
70738 82262 05212 64880 04280 13705 83752 77416 32029 07400
74900 86271 40608 65461 09318 20220 26209 05458 32830 73306
58634 49321 94724 65090 76281 67044 09977 70523 29278 61097
25090 67893 12948 02504 42232 78272 87941 94519 81364 94902
75198 04740 85047 25966 54900 72286 95603 99165 92118 58898
59337 01566 74638 83374 37489 53119 46031 56799 28621 37326
52288 26590 32107 37459 16777 19611 07429 51790 10126 60374
08965 86258 07329 25285 00944 48024 49235 18856 82272 88328
50623 82832 75904 68116 22049 74162 62458 44844 97642 72756
62751 03919 86058 04967 98949 83204 86753 93727 89023 64033
38780 71296 54188 27154 94294 15520 44014 97061 33956 95588
08912 23147 66407 38184 74660 71093 79025 49992 98672 22968
32128 57481 12695 09447 13829 49924 81611 22596 97719 36561
33049 82666 70573 53875 37481 57323 22258 83892 43493 56758
15039 69462 97922 53120 74469 37442 05542 97689 69043 65733
07985 34257 70815 55103 86596 32123 14152 91724 18898 87165
94828 11381 43350 64415 76637 01264 12103 80562 97701 00313
36430 49856 93692 84020 54516 41810 80117 44655 76300 24163
60889 02821 85059 89536 55340 11314 00409 89218 60891 37193
32430 22507 93547 33017 81583 55068 73414 33174 64125 64731
47421 36251 67685 38159 66437 59369 66718 66840 58976 75437
52502 15834 68661 69249 57375 63699 47655 73364 77899

UAL: MFA Moscow wkg UAG: Russian embassy Havana

UAL: MFA Moscow wkg UAG: Russian embassy Havana

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

48757 14922 64454 81489 17560 9751= 45973 10369 60464 65042
50918 82762 16916 00453 97559 82956 48050 83041 25437 98868

1920 46303 03271 55327 36583 97185 43994 82523 98970 40236
75346 65042 95706 64875 39486 29067 48004 64853 20026 75914
07571 12290 19963 63119 49854 98262 38915 84844 01011 05288
23117 15596 25253 87797 86604 09904 91979 51557 27030 75141
08635 61691 84538 59676 30222 34009 17160 23547 81415 89321
91128 83838 52210 75430 09590 51960 53043 86483 28123 04998
40321 34380 30513 58345 48303 51913 63222 31780 88262 32333
51981 26197 00875 35060 48950 53162 72760 12107 83890 84496
53134 35111 17765 14060 31482 27451 22230 48930 62211 31265
33433 72165 47218 64007 53571 44340 12291 44254 98639 36030
38312 91423 15808 08446 33170 29119 18862 84401 55341 46763
15152 76797 25063 99231 22482 66811 84044 49150 99374 48988
89652 81568 37156 85406 54503 45670 87296 36119 67400 03235
22433 58043 56568 88515 54533 89505 81095 09236 58616 62612
61546 43386 75484 10641 85664 11505 91887 62635 50120 29139
21577 42405 24222 69169 35669 14094 46538 88682 15760 41529
90376 00084 28243 53518 59035 91130 43242 32301 96787 23593
46620 67322 26518 65195 18488 41533 49966 34564 76653 42391
71494 63839 08456 14765 31335 08656 39406 97912 59249 60172
12095 13733 84526 38841 73773 98470 63278 74600 96083 95073
08943 03183 75341 48374 36965 33224 86826 70291 59558 63858
91513 67246 91513 57488 18688 46963 52974 97426 72869 46860
80123 85076 38494 51204 7&722 56360 80787 89224 88425 22066
66268 31375 22825 61813 51077 55920 31155 26318 12226 43047
82591 27644 15264 18684 55087 22134 50016 15209 07680 15695
74619 41247 48212 46148 46216 97729 32397 22307 35114 42419
55168 24481 46067 90070 20257 96100 95122 90427 98920 81133
15475 51242 13781 86995 90764 98497 08688 77636 39245 91022
90558 26485 97280 31694 54127 83950 75580 42409 25546 39159
86643 95004 85760 80614 66817 15336 59624 85477 41430 02675
81654 92141 06425 31633 74403 35796 24936 28795 00351 51670
62241 41237 73276 75635 07540 39138 40044 96860 55969 19653
68726 42207 49328 04244 04018 97044 98916 46662 75875 92187
38954 93752 72313 11625 83989 66286 12297 00743 88761 51995
79671 79720 33934 28000 04065 91794 86147 54826 99701 41066
05828 09186 98059 99553 01182 47713 35318 88164 51825 18851
80523 61287 50474 65065 15418 49679 36144 82583 01866 41343
17289 30830 97810 15086 08314 08769 07716 86425 27916

UAG UAG UAG followed by operator chat and a message.
After the message Havana asks Moscow to move to 20115 kHz.

Russian PtP link 121743: VVV RHK6 RHK6 RHK6 DE RWI2 RWI2

RNI2: Russian PtP link 121750 sending indentifier 121750 then into revs, linked with RNV2 on 5735 kHz

Russian intel/diplo. Long sequences with fast morse (app 30wpm), prob rebroadcast of failed F1B transmission. These links have serious problems on the chosen frequency combo 13922/14456 kHz. 13922 heard with callup but below qrn threshhold to get anything meaningful out of the signal, ends attempt of daily sched at app 0815z

.... OK ЩСЫ ЭФФ 2 ЩСВ ЭФФ 1 (this QSY/QSW message is seldom used these days)

$$2\ 106\ 50\ 21\ 0937\ 1254 =$$

84659 73654 74698 69486 72745 86579 24619 73568 74597 56895
51567 25678 56814 36826 51963 54655 71746 83684 89876 45791
45699 36964 __596 45862 45536 46585 61457 57826 45478 46194
62861 28468 91910 38603 72059 24687 02778 23610 80571 45879
80017 07956 91704 70560 17057 14665 18075 96019 71 3 1718 =50=

CFM NIL QRU ? K

Russian diplo/intel BVBK wkg HKDR: HKDR HKDR HKDR DE BVBK BVBK QSA NO QSY 52641 QSY 52641 K but keeps on calling on 8072 without response fm HKDR

Russian diplo/intel. HKDR wkg BVBK on 8072 kHz, asks BVK to QSY 53255 QSA NO QSY 53255, then QTC 1 ZZC. Msg header 460 100 30 1235 3579 = ...

Russian diplo/intel BVBK wkg HKDR: qsa4 qsa?, HKDR on 7625 kHz has problems hearing BVBK and requests QSY 53255

[illegible]

Russian diplo/intel. BVBK msg to HKDR on 7625 kHz

P07

10396 kHz, 01-10/05-10/08-10/12-10/16-10/19-10/22-10/26-10/29-10, 1400 UTC
10159 kHz, 01-10/05-10/08-10/12-10/16-10/19-10/22-10/26-10/29-10, 1410 UTC
9044 kHz, 01-10/05-10/08-10/12-10/16-10/19-10/22-10/26-10/29-10, 1420 UTC
8184 kHz, 01-10/05-10/08-10/12-10/16-10/19-10/22-10/26-10/29-10, 1430 UTC
7534 kHz, 01-10/05-10/08-10/12-10/16-10/19-10/22-10/26-10/29-10, 1440 UTC
6856 kHz, 01-10/05-10/08-10/12-10/16-10/19-10/22-10/26-10/29-10, 1450 UTC

Q26 - Chinese military

CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XXXXXXYY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B

XYXYXYXYXY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XYXYXYXYXY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XYXYXYXYXY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XYXYXYXYXY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XYXYXYXYXY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XYXYXYXYXY HR CCK /
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
CWP7 CWP7 CWP7 DE PN7B PN7B PN7B
XYXYXYXYXY HR CCK /
#4

XPA1

14564/13564/11464 kHz, 01-10/03-10, 1210/1230/1250 UTC

554 554 554 1 554 554 554 1 554 554 554 1
04159 00518 26704 56099 21199 38106 32498 94259 93589 72944
85582 71730 90116 37875 69210 61163 55025 53471 88461 21819
70258 57874 98309 16289 89285 53317 69469 92720 14331 83263
71670 85408 72657 53414 84108 58961 27556 50886 43514 01719
30543 82338 47282 41261 09498 19504 57538 35730 81850 65665
20842 73051 77148 65944 84363 82230 14681 84021 82352 96243
25523 22660 61754 56732 00863 56776 44669 70180 17701 91980
80266 67269 74482 87914 62526 24263 41472 33653 64160 25671
53124 02721 56694 57909 29995 54530 89343 49082 96157 90054
21537 13139 65063 97445 68268 53757 84763 80942 41130 78144
58997 00349 23161 24660 35234 62078 86196 59845 44428 55022
72599 82302 86808 41406 47420 50760 95754 61978 86936 81377
96042 37702 55671 12281 14348 07490 67498 01687 56046 04717
29695 07118 21898 11638 71385 70137 53786 43140 75035 02078
89926 73511 77220 60018 32045 02718 90587 40014 47414 69248
83181 32039 15406 57021 57198 35886 74675 38397 99513 48996
77147 80233 86543 57543 56872 26779 26014 87930 38499 94186
44483 55602 19976 78460 58400 92911 76048 64568 72562 98250
90511 41349 96699 97682 82071 16699 93111 31931 96194 27676
92801 37663 17289 67748 25048 85072 95813 46080 83033 51728
71489 61140 67268 62032 65018 47278 17110 77913 43559 32849
52351 91466 94072 57523 50868 88823 72834 86916 96776 62943
33181 95394 99500 43617 45699 41076 10512 73915 82868 30533
82693 10310 40930 08483 13197 67083 48243 41461 01213 43590
61138 83294 32488 82810 80267 59785 82099 44085 01758 08653
91792 36276 11681 98713 98519 74008 22726 06863 26864 51025
35288 99710 88169 75771 60020 20109 48940 26100 28372 90542

67414 68886 84430 79045 13683 54208 17864 94786 07374 93393
21062 70314 66926 68448 34024 65406 99302 56531 66940 38654
48064 97018 18409 78629 90377 46531 49383 23724 96709 62507
99027 55839 80445 91734 66835 99511 86735 44380 36091 70225
64266 66352 61743 55640 60253 28402 30842 14110 05542 66872
42733 83835 05986 78548 20860 90478 69837 26388 63622 11956
52489 17101 97467 81721 19666 64904 91694 39328 44941 56539
33504 84237 18030 01507 96029 76931 28822 68701 03807 71074
13410 35973 79868 12052 05875 55471 23718 72614 03930 91086
51922 57243 78992 35445 81140 89703 16457 94683 42784 57910
58960 38126 88211 66621 30609 60461 86041 86236 60980 67602
93326 79321 69667 49022 39536 94303 07463 87860 50427 47919
02327 72704 22699 79297 36548 89484 28075 72658 07311 88706
19505 47228 60864 74609 90562 15238 40314 41872 14964 20666
86958 87870 08885 91078 24299 72073 45155 13181 46327 38101
61735 73743 98156 21360 25571 41281 14251 01638 48210 87958
64382 54805 38867 86829 88249 93063 05390 90972 38234 28659
90557 92273 52243 01292 27752 45864 15034 84739 82478 10977
22416 99599 77316 57624 54110 16592 43212 25663 10646 54733
21412 18840 53873 97048 80686 89172 98343 99830 59863 23637
38968 64648 34414 38073 57140 47559 78931 73489 94580 67330
06758 17190 73654 81783 31410 79429 81876 99274 34331 01760
21600 90960 78614 35462 41735 12240 12551 26456 89175 12449
45955 61469 76925 62003 75782 74138 60840 92859 14032 32399
64754 05875 66019 00934 54403 15384 95825 89830 13175 56012
03433

14564/13564/11464 kHz, 08-10/10-10/15-10/17-10, 1210/1230/1250 UTC

554 554 554 1 554 554 554 1 554 554 554 1
03107 00060 63801 72043 45684 59794 26833 00658 75470 30535
38452 63237 61414 17230 99862 03669 62824 93589 20210 71013
38863 59571 17264 64886 51518 14732 67849 23289 85658 69803
71487 26140 81968 74629 50846 97483 57766 79734 07194 84626
60110 42238 18836 29454 74817 82559 35528 67551 45184 44589
21412 76312 09906 04860 16748 31122 63867 50112 21613 68289
18709 59789 07730

14564/13564/11464 kHz, 22-10, 1210/1230/1250 UTC

554 554 554 000
06937 00001 00000 41261

14564/13564/11464 kHz, 24-10, 1210/1230/1250 UTC

554 554 554 000
03091 00001 00000 31664

14564/13564/11464 kHz, 29-10, 1210/1230/1250 UTC

554 554 554 000
01422 00001 00000 34253

14564/13564/11464 kHz, 31-10, 1210/1230/1250 UTC

554 554 554 000
06266 00001 00000 35264

XPA2

13372/14672/15872 kHz, 0700/0720/0740 UTC

13372/14672/15872 kHz, 01-10, 0700/0720/0740 UTC

00423 00565 15855 45325 74894 51057 88708 56748 90107 96011
86997 75654 45698 56964 39676 34462 60804 47064 07159 49174
56375 76438 89781 59355 14763 92716 06743 74526 56303 08367
21585 50338 66901 05025 02922 40662 59772 66160 95807 09771

08412 00343 14675 96441 67166 41079 19683 52375 02270 74623
47921 58589 34356 21864 37775 83444 83091 94795 12766 21078
03493 32005 00111 13011 98940 99653 43461 90820 19284 28135
19733 25559 01627 40097 65975 73198 92558 32184 84936 19245
96183 10390 66347 15232 77226 05162 40504 73199 47528 21415
54435 06473 07572 07731 43256 90861 65403 97238 84354 00132
36490 43000 81056 34864 07070 47810 17368 27766 92310 67868
76156 78670 24431 72904 26373 14135 94935 62670 76185 51822
56916 73625 04554 84038 47534 14497 99134 21362 79563 50159
76051 68196 30803 28478 33090 82077 45043 03857 30373 17767
00588 01468 30907 07552 30611 13422 20100 64646 14593 85463
30779 95976 45201 43106 74361 03515 46541 99750 57132 84897
34420 38465 34405 97938 64497 24385 02505 16825 53683 89366
16171 61438 74379 19043 58017 08541 01810 29639 25826 69224
32743 55223 47681 09860 53266 80565 60158 41502 26553 15252
11320 45759 35394 16141 02631 72672 83885 27623 22099 93229
98653 15282 56112 47637 81998 76119 16561 62667 84258 75511
79209 66259 54862 24565 98439 03063 91638 23787 37082 62718
73041 45643 24605 62355 77775 58157 24048 48647 39832 96850
71745 51842 39496 21669 19139 42567 91760 63505 77612 53555
30933 97332 65498 18253 34263 57856 69444 22694 68567 44925
72755 00515 96706 04141 34999 36203 52060 19125 78312 68337
33695 67448 70163 05902 03820 45268 48296 00204 68672 06114
56496 93984 00422 00907 20883 95775 71956 64130 50702 05133
52468 29417 59787 28200 78532 73029 02447 79659 67596 97262
07234 25779 40398 72298 02734 65147 66034 64227 31746 50557
34654 61428 02608 25612 87222 78283 50173 78223 78641 85469
04138 60817 42186 84967 20317 54446 72275 62274 37119 24207
59651 97730 45814 69494 26746 73317 37484 99813 22990 16754
06668 82275 76750 27749 25112 68081 05965 63861 26463 70819
60822 91996 06507 34381 56545 99234 05863 32708 28860 16344
25278 72908 48388 49109 56214 22016 17093 13697 29170 69603
41241 39451 76759 40463 20709 27518 57622 18298 47013 01836
23825 20803 94239 66982 82374 96384 70126 33882 16965 02324
58441 50370 29377 99590 44417 65504 56768 99030 95943 50509
80131 52147 81768 44018 60448 24632 10023 22637 02705 56264
71317 59008 19053 18493 45948 20961 40105 82772 68502 54353
06042 25558 23916 64460 83493 88765 99852 17477 85497 64705
79815 76720 01684 46720 46251 33228 14191 30670 02782 71499
90104 73253 84325 19029 62340 56425 45442 99478 92267 63354
94884 53816 17654 81513 92291 37752 28481 14258 58858 19357
20668 81649 74630 46132 67460 51154 03636 16150 00081 12864
40642 97397 54295 87871 95061 51574 92656 26178 55753 83093
28316 58942 73868 36936 90801 09680 41273 19466 66065 44545
22672 80830 86895 96411 59415 91422 04319 22328 42273 88253
10088 44106 18802 62075 60369 73706 56805 36464 87421 41513
74930 02559 83929 69683 59351 25098 40856 05142 82134 33684
63315 33876 31503 93200 65610 38817 85041 26677 00545 37118
40969 11182 21741 85969 09609 55057 03064 94811 90148 86342
29979 60800 82971 85304 18131 54296 04121 67028 34724 97395
92929 48531 11160 25892 32896 84086 91197 72259 51392 07752
28386 24158 80999 65516 83489 51600 58843 43110 24481 76427
71221 68623 02961 45404 40504 77000 28884 54550

13372/14672/15872 kHz, 06-10/09-10/13-10/15-10, 0700/0720/0740 UTC

00588 00508 49618 46751 40708 51133 85903 12551 46681 14735
88406 69013 27351 62888 81489 61253 81386 18183 02679 82056
26299 91232 04697 93741 97911 82298 30234 06348 29393 63634
52599 28269 89980 98647 37161 36232 49652 87467 07579 33667
47159 20883 14616 76038 77678 05025 66197 78080 72431 62852
45874 29074 49037 28463 12399 51533 81763 06556 17390 56455
58881 24785 25777 30149 27789 21942 87591 06876 77916 60065
17299 62960 29935 35507 95400 19987 66586 07257 01224 31088

05982 19736 03939 27662 85069 26339 82764 68421 38099 42559
09516 18737 29276 39359 10955 63992 48852 80804 85999 33617
48916 13192 83566 87442 23193 64045 81802 76304 72157 88536
69055 20301 57089 60424 34560 78668 62448 54941 42985 23434
68328 70020 72253 56109 47875 97611 02528 02235 52534 74295
94976 71507 71128 58919 79588 59481 78929 42101 95975 90097
00712 10194 36439 11566 94143 47289 86564 44221 29735 18376
27499 26720 88537 16304 24477 65466 28046 61803 19842 11172
57754 44712 21507 49695 15788 95369 53703 35598 06937 48134
98713 03984 57432 74628 77935 88102 93033 46644 74930 43669
73153 16711 02620 85635 78844 47843 04735 37360 59006 95414
29374 24538 23221 84976 88273 39490 67539 20831 79285 00374
03151 20972 35547 07140 24646 31592 39284 41986 24509 32942
18751 95702 08811 01553 60206 64298 19187 69052 63696 99480
83342 83643 22353 42435 39293 38807 59440 16870 60902 91471
67914 96268 23371 22765 96987 97896 58087 31820 93733 77096
41285 07379 38619 22023 65926 51243 84394 37896 32087 83324
67751 96520 23820 30622 91783 86376 37808 60979 20346 45088
56331 81038 32188 36093 12018 35171 41890 16467 97343 83040
64369 31732 96394 88066 87970 94323 06201 35899 36867 59165
69221 04841 98676 12437 52835 85028 61392 79729 31955 64446
10003 79696 66885 83311 21920 45283 18344 86898 54199 52951
15675 61749 84251 10241 79250 42705 60443 33923 09306 76854
70779 75466 69045 86033 00873 73207 18062 54280 35893 41589
70460 46207 68094 85133 34853 11280 53577 35246 70631 98660
62406 06392 27880 21419 35964 22911 57914 10264 04594 84344
31906 66879 79997 68546 56431 15924 76594 82910 56643 80642
46689 11223 26427 87633 62193 65036 50064 27475 02566 20752
82766 93558 09729 81528 80750 96649 45570 05813 75248 95426
22134 12710 48197 21103 33316 95308 11712 50521 64987 17760
52221 49847 22853 44794 73214 39368 22441 32099 93644 08108
24925 99264 80112 69396 30713 63089 80768 20467 42303 53109
84344 44095 37260 06459 27752 94009 72760 75180 73552 67312
94342 37795 84779 92727 14598 67760 48751 86219 89050 07609
79989 10175 99225 48773 78278 62994 84503 57711 24073 00735
97478 72372 07575 01153 69291 37235 47303 47825 60837 17889
62695 80267 63458 51659 21656 17805 34819 98283 29711 27275
28875 47038 38618 87733 22467 94610 27409 64658 12242 30830
92872 41207 52532 28926 96845 91047 48907 01309 17247 33004
46049 06905 98203 50236 12686 68130 98801 00470 67216 40077
36645 72119 31282 74500 12865 54020 39033 55266 82867 30724
89460 41677 92350 39657 63327 22112 75114 50068 55003 21071
75671 83629 07494 46099 66317 08427 10955 28325 79685 23678
26754

13372/14672/15872 kHz, 20-10, 0700/0720/0740 UTC

07155 00001 00000 34264

13372/14672/15872 kHz, 22-10, 0700/0720/0740 UTC

09788 00001 00000 40671

13372/14672/15872 kHz, 27-10, 0700/0720/0740 UTC

06120 00001 00000 31660

14672/13472/12172 kHz, 1100/1120/1140 UTC

14672/13472/12172 kHz, 01-10/02-10, 1100/1120/1140 UTC

00944 00234 86530 24453 41066 00714 88840 42885 78966 76395
85832 43114 87546 33223 51376 35289 98461 43305 10339 20705
55248 77856 14855 36981 37246 99180 86369 36959 54835 30291
66115 14639 66585 76806 43565 06291 42033 11136 79477 90973
64798 05995 28221 14720 70047 36674 58625 68800 44607 44424
57884 96533 37532 59754 47722 41027 22597 53848 56456 92642

10225 83815 23901 39433 08414 33837 59944 46239 12995 06988
79560 83850 07186 37673 79975 38910 21663 52386 85022 22699
36214 37997 98688 21806 74939 91526 77308 00391 29211 53573
65684 38332 88332 21876 38192 62230 96537 06374 66184 17162
73571 28162 24635 88104 52900 24459 86209 84840 09494 78153
29515 19371 04692 28831 11125 69183 76119 04656 99594 11410
77300 67870 30986 87384 94376 64424 50040 80470 51944 66694
35409 18869 76812 50887 76584 19031 87873 42010 67978 46030
00994 00011 90669 18646 44260 04710 80286 51733 98626 69032
73247 84991 53337 71966 95080 77654 03514 84431 79881 15952
46273 72844 42216 83100 85087 00133 33177 76666 77494 43499
24181 61568 79917 50233 55704 02430 77877 03707 21198 43998
78558 02850 44682 50655 49852 58879 53288 03687 37016 88802
77065 33850 62922 00715 95480 38339 97790 80005 44555 40227
83803 62648 57886 41344 77882 76204 82113 13850 53394 58391
40028 62811 09132 82156 65444 30051 76367 62297 91873 22776
33366 50823 57668 40299 22776 96203 71829 62222 92828 61444
23170 57911 51230 23727 23110 25915 23213

14672/13472/12172 kHz, 08-10, 1100/1120/1140 UTC

04809 00001 00000 41654

14672/13472/12172 kHz, 09-10, 1100/1120/1140 UTC

06177 00001 00000 35265

14672/13472/12172 kHz, 15-10/16-10, 1100/1120/1140 UTC

01792 00519 87065 29738 17422 52384 93282 00220 50764 30257
96158 10770 61263 20256 17386 92070 00406 80637 45182 55745
15186 28220 92719 88706 46216 59762 59184 36991 57704 80728
25931 56743 94975 58789 16596 49734 51815 46567 95954 88521
06838 93075 55680 81915 53019 13287 51336 84430 19344 65067
89475 87782 92889 41492 45342 36199 17451 35881 26461 40100
53629 03086 78658 56139 87362 76833 03474 15714 98233 46500
45913 83611 27194 52891 52548 99019 69448 95260 04063 48291
20641 38660 63568 34217 72656 23317 34186 41957 60706 69359
14790 38061 47472 87845 72940 68340 09440 91664 78354 73723
38773 91125 26555 18539 11598 05060 08371 62219 28954 14224
64154 13562 70654 27923 71901 61533 12262 27834 39087 30100
41859 44960 88542 27898 87960 30214 75249 89628 75050 54858
92821 34625 64933 02862 10556 40798 48096 14943 50069 85696
21557 55325 06407 86696 34586 64321 34682 97895 08070 83797
54159 62368 49841 42051 64213 72342 85492 12307 79033 44638
38227 61575 57824 70019 54794 79750 98075 33642 93231 11096
16743 59896 37572 87127 15999 99776 53342 66105 71034 74727
66508 42377 25872 90920 90463 24091 04616 89040 01230 00259
62786 25438 05144 76671 57725 88426 00696 00528 01352 39760
30406 42811 67006 15501 34769 02488 84756 96398 72872 46392
75245 96623 83983 68457 30969 14131 33282 72385 11588 14109
41024 58426 24920 75528 43224 75751 86895 36042 66969 71385
07142 40574 23994 08632 74782 08616 96255 37034 59072 75409
46333 58013 65368 66615 55691 24693 94288 74869 18389 30665
00265 14267 69318 18643 38858 81848 70759 18575 95817 53299
39038 64290 81168 28022 45170 78508 38011 29570 62454 60263
11264 59357 22604 88559 52260 59185 19871 09711 42280 02232
86960 03423 41159 00091 57418 33575 66623 97414 93501 53047
54824 77030 30547 40865 60416 81424 08982 72282 41630 43172
67431 61341 30429 41570 96638 62566 02078 12825 56149 30792
35958 82194 50934 99973 16983 44649 71582 82090 43906 12786
51021 37655 02108 69162 49396 52918 71146 78165 03401 91068
80876 87391 28266 20900 02153 34634 97054 87833 38510 32968
36117 59327 75870 03172 97901 59892 64657 56291 45328 97527
06919 04785 65625 06545 24981 57543 88122 56270 75276 00718
93172 80385 09016 74082 02954 35284 07780 99799 71154 38931

22948 31402 07875 92868 49989 91957 41214 65592 90920 91690
96214 73780 63193 74475 44421 19227 00470 46482 10788 43483
70821 98718 31752 54988 21205 69198 29254 26223 13390 54158
55610 03161 48609 25370 91714 08639 27880 50084 31228 81625
29261 13307 52715 59999 93024 64618 34168 03693 18843 43300
77821 40659 50537 03469 66668 59578 02830 84255 29097 38136
79748 08633 78349 91303 23886 51968 95336 85992 85700 02038
65385 54054 65341 82195 61315 26515 14342 27553 94381 57284
96786 04428 85910 63629 04352 06728 11169 18477 88712 48972
84292 14197 41380 15628 90503 65625 55358 97586 22256 71314
90592 58649 34422 18505 11863 73846 72190 46352 51078 50479
88074 22401 52922 12494 90736 43102 17225 48059 90222 20659
60625 49908 29145 08772 76172 03174 00091 93349 08206 19078
12017 64514 09771 41397 48050 53122 92911 49118 77078 46606
29158 41545 84300 60000 74268 89854 54169 15357 54471 23416
66436 07360

14672/13472/12172 kHz, 22-10/23-10, 1100/1120/1140 UTC

00877 00401 32910 96337 90114 61372 17069 20406 38515 49238
16128 08866 47577 07406 00724 51772 02719 21281 90789 85055
90947 25507 70828 48001 99808 19811 97378 14584 50783 70033
51943 01850 02791 38037 42615 15892 27700 12640 21339 31965
38854 32963 87035 22897 08431 15226 16011 34168 67048 98344
31320 84587 20858 60142 95034 54637 51267 25534 54631 52892
14246 41972 28586 08929 26405 84459 39580 82470 62401 98055
52546 87608 73902 99567 16182 12203 62872 86526 77230 87087
52142 66960 18481 57761 70620 44687 18980 51206 25334 39829
37537 37446 94510 42658 44839 54036 80898 22409 69453 14727
71173 57138 08535 28330 08320 53922 82247 92299 48241 06021
08043 64768 91767 82570 87726 97091 37441 82851 14225 66227
53536 76018 77919 01543 71673 47760 42354 61203 21811 22221
87488 55075 95440 07328 33541 45423 58703 98197 81135 21982
00919 26975 62467 79644 86515 54665 79739 22260 06395 89015
95231 05845 32445 40713 23175 04343 09798 36554 42140 02799
33705 79378 39107 03505 09476 02910 17911 70688 18460 43237
55312 21027 85727 98324 28061 11350 04178 54201 41329 55706
61425 93406 02367 65097 75055 58718 59944 57648 82758 60021
93161 97665 21832 70026 00318 16949 45398 34050 98070 35791
57817 50477 61257 69062 10654 44998 12718 86392 37327 97770
74970 14166 29024 66630 62063 91732 69350 77138 68104 21496
55077 34362 33184 99700 00292 16460 72099 39677 31967 32728
51369 31780 44768 88935 29036 32190 62350 77198 52705 37637
74316 44758 82713 81739 57873 43251 87630 42815 62591 19366
73804 18881 09655 02019 01192 72639 71906 21421 77701 26579
46672 76255 96942 84414 80303 02376 04392 07880 98435 76966
65782 93631 59087 50745 99596 34620 94115 98114 09660 00120
57610 80017 93983 21064 11198 19691 12998 87038 17411 97437
90750 88421 36809 19225 63543 92067 81710 26871 90507 65217
67502 17575 49459 12557 97450 10044 90454 96751 27879 92996
02354 05515 80771 20454 34541 86804 44838 33359 12136 08135
64337 28578 89886 76313 52275 81215 08018 53077 74942 27298
02128 93258 52459 88884 48081 66418 50559 50494 91520 00381
51783 13022 69031 36466 11699 31496 21267 87235 14252 02468
01854 00642 60327 03393 25185 26043 70749 11517 24610 32017
46329 48910 68808 24539 77234 33086 24853 48489 07398 76595
10661 26412 28893 76856 36850 72449 90002 79921 37530 51289
15677 43693 84703 76335 53589 34263 41972 05423 98989 69771
40135 02141 31359 53441 21976 42641 04521 86760 54362 28809
15397 85781 99656 63264

14672/13472/12172 kHz, 29-10, 1100/1120/1140 UTC

07983 00001 00000 37267

14672/13472/12172 kHz, 30-10, 1100/1120/1140 UTC

03405 00001 00000 35653

14518/13418/12218 kHz, 1800/1820/1840 UTC

14518/13418/12218 kHz, 01-10/03-10, 1800/1820/1840 UTC

00351 00329 00243 32210 61156 13210 90762 15175 03172 30430
86152 80305 63343 73966 41636 01789 73253 23753 56843 52400
93643 48931 46654 07446 38345 12628 30340 08927 31635 20246
78892 15925 18362 77721 72189 37309 08436 65235 49514 69016
72212 37668 53237 51635 13460 31497 07615 92113 07078 97230
57512 74633 83779 80157 69062 12779 57122 43819 14866 61640
84745 41263 83145 38606 71932 83562 51552 68345 47607 74669
22200 35082 47044 26888 87519 57434 98042 81561 81265 03483
61856 49454 11747 88647 74983 61346 33646 06624 34301 91414
31034 49825 10370 28933 93583 35988 35099 42546 82445 90698
43152 61560 50669 12109 76293 83401 79503 01020 95851 90176
96050 34166 31859 30067 92268 80242 56891 68690 95294 80530
89163 70458 21183 06366 86870 79282 59281 69388 52678 42879
98592 54741 75441 11977 77381 63812 52131 57040 70328 23241
40728 02092 34492 58860 03598 19711 39314 39191 42925 87524
08285 38090 48246 61547 92849 48643 18403 26017 32276 96342
20064 94090 25057 33278 35386 23758 58922 87469 07887 04389
75651 69794 41280 96001 86066 60523 70434 28624 26629 74215
45546 41697 14465 36090 97550 03724 76172 17444 19593 38677
86523 83185 04709 96169 85357 76466 94015 00190 91523 91608
56332 93744 76743 46501 06959 63315 34720 82929 97186 45386
61420 56224 03836 97565 82975 34394 50902 05687 88118 07329
46920 97699 91563 12647 12107 81567 84489 20026 36525 24873
46039 53457 56943 91735 98496 87742 76907 51355 01603 05639
30673 35544 31233 88259 24695 52438 46719 75156 96079 77888
13154 04110 64291 39710 27365 23184 84372 94883 03957 92527
93616 41114 54421 06195 05854 70662 71990 74233 54706 42510
07770 24743 19641 78148 32228 21169 14892 75403 54918 58054
89089 12755 52950 40811 11169 16493 90318 21644 15630 18654
13321 87372 89254 28996 82087 53496 21495 76037 78599 63078
09445 98358 84942 55666 04380 33655 48979 12350 33379 34852
22022 27782 08392 65418 56943 63310 61669 45579 21794 66778
89838 59634 62682 58443 42959 95347 14878 04946 15294 92900
40747 51111

14518/13418/12218 kHz, 08-10/10-10, 1800/1820/1840 UTC

02581 00156 76628 95620 13019 86297 85984 35567 57483 19042
93003 36966 98373 32336 61502 40207 34728 34474 73779 28168
97203 63699 42826 99603 32150 00386 00981 37642 72281 24403
69980 33184 90861 19481 70410 89866 09266 31539 39629 56699
91049 86837 30045 88172 76190 83869 59057 54561 37342 14845
13998 97341 64021 79911 38573 56619 78179 30842 53437 46607
16093 62733 92107 59582 48379 33930 03734 30103 14648 67733
89975 33131 92809 48713 47702 32702 85750 63007 38392 19413
23793 69762 63457 05366 45444 53427 36611 00207 12743 32696
86211 29608 94076 37280 96595 71854 82879 87743 21334 96681
75148 92108 92449 32660 99926 60895 19085 97038 08979 26923
08100 78408 38406 10758 21487 72298 11102 35075 77835 03496
44177 11461 29421 91557 20199 48055 36033 01977 63154 68973
31559 29683 26268 22307 68328 08859 59627 99352 51641 01528
88394 57394 71682 26156 75090 78028 45728 19080 23813 21083
34127 77503 00061 64816 28656 51392 35151 90209 55600

14518/13418/12218 kHz, 15-10/17-10, 1800/1820/1840 UTC

09174 00307 53967 13895 84795 97397 11411 83114 43914 18752
28727 04141 86361 55247 57999 38494 67276 04577 64929 35958
43003 00607 83403 34113 45415 45283 71889 79585 70529 38241

51687 86287 27727 71940 70504 04936 19432 37776 89143 84206
46767 37671 21738 64421 05591 33218 74090 31935 49378 07913
41869 64652 17148 11969 91075 63129 35533 27966 74237 34173
21868 47717 23679 40050 51588 12959 92379 53860 27629 63227
00126 22482 51608 83933 55556 47510 19384 90121 78943 86417
61412 40542 99023 10950 46541 68901 00321 70172 78443 64972
05760 92810 38439 11867 03450 24310 98052 97882 76672 45695
63893 22120 87582 40105 23385 55306 06322 23810 63049 10471
01111 79969 86354 54789 94325 99628 29497 45869 04445 73065
49086 97604 49478 06291 73591 01413 42743 48367 19874 23503
22800 19527 28873 07896 83360 21920 19527 59704 10705 58118
92256 18461 92165 19069 74488 38762 90337 64360 37486 39788
56495 64548 56199 68671 79969 76457 38520 44392 46039 43792
74532 43819 57299 03679 16101 72555 05049 50699 60374 57805
99662 78341 04965 87239 46280 61737 83323 21201 92170 25889
28039 35655 48523 35715 46564 88545 78925 07805 68495 69996
81060 39363 55954 56068 37570 45735 35396 07428 78270 50947
76341 22901 74790 58236 11694 81396 50325 65752 94857 92530
60975 02209 00498 10713 21252 34782 48678 48316 10537 26548
44561 08756 91154 81228 00403 22322 75905 81682 32917 80469
27566 95034 50002 25304 91209 20524 43894 20426 65910 67827
52519 13345 62027 64929 92370 29313 79006 97364 87069 43680
35152 58519 90842 10605 80920 24338 59063 19890 13515 36461
44471 23990 63093 74478 13344 70758 61075 78624 04316 09736
79235 67647 35620 90069 20822 02017 47427 44486 71417 88678
75521 47800 77831 26071 06823 57506 85404 21702 16614 35029
89636 13087 13804 02281 21474 51182 20085 88377 91562 03944
18160 37976 64864 88803 19571 18838 38184 03879 98926 73322

14518/13418/12218 kHz, 22-10/23-10, 1800/1820/1840 UTC

08104 00126 47212 60822 37842 76935 78626 94152 91045 10217
28397 60011 04137 26565 16424 00310 13539 19129 08170 94249
39149 22873 22424 03100 28377 28239 72010 53381 71718 92452
99596 98763 65147 10030 81042 87984 64167 21031 54726 79439
23571 77365 83348 79848 47902 89611 00862 55039 07568 68740
62390 92302 28134 80489 49823 16371 24387 92332 81343 03518
03658 26635 40237 82500 54691 90917 93832 67894 73610 08926
78402 80113 87522 73702 65701 05218 34841 53093 33670 33279
87234 58375 39294 95407 13361 41283 60685 50077 12348 40476
09037 38746 97225 55339 57419 23506 53820 96043 40915 26381
00662 27243 28374 72347 97604 39732 61186 08623 02720 18785
11358 87567 85112 06524 55469 81738 34692 03561 59744 67866
38621 39855 44263 02854 41011 42752 89616 97162 77272

14518/13418/12218 kHz, 29-10, 1800/1820/1840 UTC

Too weak to decode

14518/13418/12218 kHz, 31-10, 1800/1820/1840 UTC

Too weak to decode

19587/18375/17432 kHz, 0900/0920/0940 UTC

19587/18375/17432 kHz, 02-10/04-10, 0900/0920/0940 UTC

00859 00099 64854 54755 79192 87642 66413 73261 58586 19176
96946 48966 24229 09948 81705 60097 06085 71349 27198 20038
79669 34781 24553 75333 24257 01298 84273 75491 05988 29507
05481 71934 48406 30902 83298 01315 80209 84584 52746 32854
76779 81963 12568 95786 17372 52890 83381 37383 07979 89020
60025 15572 29217 84527 72234 56776 08599 84745 95937 50064
57485 30998 73163 89268 30494 48083 69537 81120 48910 23083
40636 04472 97575 01105 94479 40526 24751 67482 99893 21504
43364 41063 36878 01104 97300 10597 10423 35184 04937 83042
23951 11876 82750 76776 22887 55173 31439 55454 11708 90705
26839 43344

19587/18375/17432 kHz, 09-10, 0900/0920/0940 UTC

08682 00001 00000 35270

19587/18375/17432 kHz, 11-10, 0900/0920/0940 UTC

01079 00001 00000 35660

19587/18375/17432 kHz, 16-10/18-10, 0900/0920/0940 UTC

09829 00210 48856 28199 19566 95732 94516 73974 84752 24532
42432 75234 73425 05611 84222 23054 57289 07998 09013 24508
96733 11532 97835 31134 79884 72936 59706 05399 06282 53381
94432 78671 42332 78467 78530 88493 48105 06568 48995 60064
57195 07466 36788 11063 10077 70552 06901 64173 63309 38185
52235 51594 08122 44322 99024 98776 53986 36277 83678 73564
88058 17883 54866 87367 05984 30568 22645 98831 51763 69935
86699 34049 00552 13114 62961 95227 70010 11084 91097 45641
02233 53646 90625 78013 78515 76937 08141 77438 24195 80757
83338 98294 07241 26347 13847 11011 31768 01715 37972 63237
26207 22088 00734 77850 37763 98514 10184 31742 10218 06980
28360 29571 94400 43685 68451 07528 78929 49928 97681 52177
74944 29928 32908 55464 33335 03370 36870 51334 57129 31213
30254 47686 94236 44237 14375 18939 64955 69797 24870 27680
48753 72431 74490 54462 70791 74649 54174 28488 30713 41284
81208 22040 50242 57860 58022 77879 74766 78580 70500 15320
57097 92333 26602 42681 65991 10282 34317 50202 03732 70694
91934 41497 01341 15079 70862 14681 56463 40053 74062 05447
39903 95367 01126 30575 13680 68536 18406 28133 80775 69230
00402 24656 43520 02790 86519 17394 69503 44056 36138 91850
29888 36038 29140 62402 41107 27078 69251 56753 45314 64228
56280 64735 25261

19587/18375/17432 kHz, 23-10/25-10, 0900/0920/0940 UTC

03676 00240 50946 49847 23193 36917 02827 11990 92249 73145
96247 10275 63840 20745 78008 61973 23288 24874 98323 05268
88511 83466 17334 08898 81871 46339 45653 26176 22280 61168
73807 92396 21714 10514 86281 99184 58763 85981 60037 24890
43755 16745 07450 96256 17098 74127 77905 92841 68472 57452
30804 26230 46752 64237 43395 75889 46213 42145 48354 81389
15549 69184 16938 13640 94254 07509 70339 21107 40316 62740
39510 27949 54518 01614 98068 99446 89443 00304 98611 51044
11896 94414 70192 02376 71279 34047 04838 46640 62632 33718
34017 42088 85416 83084 19691 78132 47474 68278 77101 34946
73449 89262 34800 46129 57188 26507 12456 68156 56983 55667
87426 40831 38922 78711 53747 68555 05478 72609 55623 46563
26468 03283 24421 73387 29404 83536 91774 79077 54585 85420
73705 41078 27832 56552 56271 51891 18180 89933 24565 54745
21395 93395 25903 67167 56313 67410 79057 69046 96828 23045
12436 19273 97935 29064 19445 38634 18402 62303 66312 59448
94589 26391 11115 64577 71174 87077 97022 85633 49765 61991
75369 15398 12194 69996 74011 58449 21525 61756 34880 47905
52528 33520 40507 60437 72264 12027 05925 17570 42047 61455
15995 02017 10198 28741 65763 66418 49426 63424 84720 85372
14626 71545 49898 44797 02665 52562 31308 75739 16407 69719
38216 63149 56557 45844 22039 22980 14062 03013 42174 09198
20575 36732 85496 84865 25595 53479 40766 59770 51723 80972
50447 06733 22426 79103 34124 72764 01004 64623 66634 86843
62099 02587 22601

19587/18375/17432 kHz, 30-10, 0900/0920/0940 UTC

09773 00000 00000 36271

15874/14543/13426 kHz, 1700/1720/1740 UTC

15874/14543/13426 kHz, 02-10, 1700/1720/1740 UTC

09295 00001 00000 34672

15874/14543/13426 kHz, 07-10/09-10, 1700/1720/1740 UTC

00756 00105 56424 18384 73489 26751 62892 54367 23004 83083
69472 10670 21599 93626 98475 42890 27762 59900 65607 05014
73397 01715 93173 25888 29208 53882 77995 61365 61829 59919
57989 90927 04487 36290 76126 83699 27504 08436 35012 00804
97650 17201 47634 68901 66685 87084 62318 41372 70467 08063
42584 84531 16346 27067 28457 18604 28691 04710 09818 62870
67669 11736 88518 58221 30184 39727 34060 36433 43399 00297
85977 72593 48759 73837 12662 98822 84808 25825 29186 38377
79965 44822 77183 91540 70918 63079 36739 51472 53910 06204
13963 90630 23795 25545 51264 67483 43998 42474 12398 68133
34028 57306 80740 03196 01160 35455 78357 62763

15874/14543/13426 kHz, 14-10, 1700/1720/1740 UTC

05984 00001 00000 37665

15874/14543/13426 kHz, 16-10, 1700/1720/1740 UTC

05095 00001 00000 33666

15874/14543/13426 kHz, 21-10/23-10, 1700/1720/1740 UTC

09146 00100 66936 27760 39331 57642 83853 21605 50211 50867
79498 75732 79534 93749 60744 16363 14160 26455 31227 91552
27546 29479 34822 16546 15216 59137 28553 31600 86108 07728
68208 31400 76364 16088 00563 53028 03280 50575 08207 36808
67839 73384 50258 35626 88807 35823 80881 65300 12684 08306
67808 33685 38388 65584 56020 66003 87446 77330 60228 00060
30385 57650 71725 38680 65026 07832 60882 58386 08643 63742
84564 30750 08103 08042 08302 88833 74556 66635 67551 70129
78774 33743 42487 31428 81665 74885 38524 77302 51282 71881
11005 92221 63545 53500 27841 30895 07905 32812 71270 55544
24440 65827 56553

15874/14543/13426 kHz, 28-10, 1700/1720/1740 UTC

01706 00001 00000 37651

15874/14543/13426 kHz, 30-10, 1700/1720/1740 UTC

08474 00001 00000 35267

14537/13437/10737 kHz, 1100/1120/1140 UTC

14537/13437/10737 kHz, 03-10, 1100/1120/1140 UTC

09825 00560 71983 07504 15433 14926 99473 44090 87065 11722
96572 43172 04154 80119 70789 03487 11166 92053 38969 70945
62298 19672 14824 89844 79652 45740 25372 64460 21737 56349
16224 01575 92856 12596 19724 35683 71760 11892 85101 95131
78287 61668 71453 55098 09742 11926 90188 17636 16649 19324
22805 67473 15409 27744 56375 24245 27531 99096 31835 99651
28519 47775 29174 05604 37391 02213 72502 49049 75530 46730
15387 90156 47656 64515 67091 27442 26540 66856 03112 43995
52716 43885 01679 19428 50744 56008 57093 40856 54126 83396
72406 71374 63864 50556 75855 39400 97569 39221 38235 05163
36735 00725 45774 45639 29577 32117 13542 84514 04210 28713
36225 81048 16888 95478 33294 38375 88241 01973 44265 98495
99297 61475 45712 19876 18127 06421 88350 97248 60451 11992
93541 29858 57542 35219 06068 27378 92400 01346 65470 26889
03525 32559 31034 30028 24189 29164 19626 10002 70632 16234
26058 25894 02474 22741 36771 84584 92780 31090 34627 03046
40588 90591 39892 68606 92460 02295 09062 73039 96710 01193

66138 91482 42801 98125 77210 42198 84064 14712 95998 45011
17011 41477 82861 92741 86612 46451 82875 05036 00556 36002
39645 85167 92386 46938 27958 27017 43513 14270 66136 39911
37655 80489 08763 31918 57831 62313 15491 07750 95401 96352
71145 89264 88156 36220 73324 05461 61011 71685 37536 11276
38961 02536 95175 49538 46117 97127 25188 22320 99352 74854
81075 49138 30152 55893 02124 81210 17609 67083 23759 06547
38868 84207 74836 72810 20102 03949 72725 01774 69043 09339
23730 86619 54290 46922 70887 86422 58760 20176 07551 01473
32834 71208 44373 51902 74819 93460 96962 91306 10443 20511
49499 31025 55580 75437 09918 01550 79639 38052 94266 33444
80102 26079 27987 53830 60239 38491 14925 58448 72190 64103
18658 52363 87558 14154 02438 51522 18808 04095 15456 76450
42880 43592 57718 86754 02974 02560 65049 64761 12183 14176
06013 24576 55240 65854 40212 65094 24932 81950 42529 37523
69611 02188 45103 35922 21758 26455 82542 25320 92007 10405
09847 31464 98312 76710 60334 36058 55003 68811 49857 98465
23925 58634 94597 51046 97914 56479 49423 58796 93052 39017
64521 41850 39831 01585 43780 52827 97246 18652 46207 42422
92525 00962 11701 36448 12856 42909 09611 92384 03578 91757
95502 67211 50736 20603 74671 67047 35578 51022 20513 16870
56270 66236 21071 69099 59046 34628 70657 29074 21134 28992
68587 04770 36712 14293 37711 04888 17466 92245 61844 43799
93072 99859 22775 00516 18199 00430 42001 23729 97427 59381
28963 42541 00997 11335 79124 30856 19776 23200 94286 97161
12309 68478 43535 57233 87899 82781 75201 69055 88246 39720
24876 53949 20790 07659 86811 76865 32209 16607 52982 01333
06948 52506 64517 93733 31076 97236 66648 58954 00999 67050
05898 72764 08208 69901 52590 29720 33057 81973 98422 80704
40335 93590 32306 62606 46597 84196 90533 22093 67579 85072
90576 80138 78666 07387 62744 91771 00716 08082 46716 16768
30761 38966 27534 94801 54826 87151 09384 29136 30962 23099
18693 38355 98301 08772 16920 31758 56996 17078 34325 58952
15153 95173 57354 25801 89067 93843 41434 03517 35649 96719
73831 05002 76187 56989 61852 89981 06598 99654 78755 76957
58025 42534 25791 46208 98975 63329 41767 09965 32670 66878
29291 47926 30811 62984 63234 65278 34140 65167 62766 54378
59911 28653 17346 79455 68426 41846 71838 29103 69930 97139
05351 04006 46364 14153 50259 48137 88645 22202 66035 72474
01315 13838 14262

14537/13437/10737 kHz, 07-10, 1100/1120/1140 UTC

03784 00001 00000 10140

14537/13437/10737 kHz, 10-10, 1100/1120/1140 UTC

09117 00001 00000 10140

14537/13437/10737 kHz, 14-10/17-10, 1100/1120/1140 UTC

07421 00358 98918 89646 23553 29288 04462 26516 51993 37024
01360 95848 88926 77874 63465 41662 16325 79929963611 55593
87092 83055 75595 26529 05319 89606 59731 41821 58854 15864
09780 36020 07846 70982 44653 76883 05566 19006 39820 19060
47647 43282 34190 73701 10121 15969 50492 34858 57239 66595
43353 32734 64470 16297 49362 87688 79588 48887 19954 86861
64844 23459 54324 77742 39949 01538 69841 12254 16429 04694
98257 79422 45573 34583 76268 72751 48652 31067 37592 98210
42955 67134 83069 45893 86927 18984 30441 87523 70078 21233
19642 84879 17838 60421 11656 12535 76209 15053 72382 96374
92415 11057 69931 31774 00434 44984 62058 98520 03384 29299
00327 38299 54815 59751 64495 96822 37478 10068 84651 18745
17594 73033 27836 60236 71448 17642 58163 36157 02640 38276
74251 20733 57670 77426 38846 69184 74643 59044 16056 39338
36410 81962 41987 12077 73081 40599 41089 23696 49580 96385

14177 93570 42576 73648 73561 23614 53823 59497 37832 67307
21724 32669 90564 61179 41508 19888 41304 99536 38229 67316
15254 37958 46115 78880 11279 05890 34969 79480 40992 38316
24604 23181 77719 29657 30534 43076 62481 28848 60822 61097
28367 51549 55212 48866 18930 56850 01217 90088 03190 60983
18499 15308 03423 58077 00311 13986 99690 58385 63773 21505
60880 62948 49989 44101 80828 11780 27484 07365 58773 17514
30823 18388 29170 90919 36602 79785 94331 76144 59105 25677
26802 10755 60764 50707 32075 54461 62610 11773 15678 61039
29626 25021 39652 73070 15964 77369 56335 81335 14045 42057
68346 63302 31618 11485 66919 89155 28522 04913 47765 38546
22614 94911 22134 87217 15756 43801 64979 97741 91553 67616
27499 61742 44988 51298 56782 28926 44400 00031 23858 03779
10625 58365 44210 74079 04086 38518 15851 68214 99169 96796
21987 75412 85338 76257 42965 90450 82736 71953 21089 99638
91664 36828 28926 67503 75511 32730 57261 19513 20426 29313
74683 07098 64464 61568 80796 14409 89071 30862 39386 61069
51829 33197 94305 54931 34145 95125 19958 54019 85172 02203
78238 17146 36743 31403 58890 29468 83338 92881 04940 69567
29573 82790 83858 23395 03688 60615 42607 38863 02596 94533
65926 70214 38103 45875 92610 60130 45476 90493 84855 98811
15260

14537/13437/10737 kHz, 21-10/23-10, 1100/1120/1140 UTC

09708 00410 54312 72881 42828 15875 66589 51909 50811 99644
64085 33828 22054 80705 46236 41689 77208 14833 88648 19642
57447 92541 71760 60849 03519 67491 26839 91561 74423 66843
35439 08821 25239 71237 02933 60396 77429 56913 20914 23523
07779 63644 70236 82511 00592 28289 37172 08598 71928 15586
96019 78629 32696 21862 66805 20942 26793 23474 24759 86241
13478 24377 32987 98436 88464 82367 50578 38505 13969 68827
97223 34965 70416 66316 27489 50502 39444 67537 75280 45338
25964 65075 03632 29446 68388 42080 01928 22220 69022 39356
66298 26157 14575 92496 13640 48666 78202 38908 62379 09591
58592 67534 31371 98001 66998 56773 13995 36938 59599 56685
58716 26881 15287 35523 02985 82534 07962 65976 45261 14988
13826 83852 88284 86750 85832 63372 19154 70821 80330 22118
84648 26493 14274 38096 83883 96418 26139 57348 15672 56073
87019 46827 65203 56791 87894 92127 02321 23144 86986 04541
73879 00854 03450 42151 64634 75925 33642 60930 14985 54968
85545 29337 07130 52133 97033 45449 59681 35640 40033 10480
22167 97448 37068 52313 07235 36092 25653 75984 59493 67992
43176 94371 39912 03972 51077 18063 44314 38153 72149 15989
74598 29645 14169 51290 76992 07493 65926 47357 02176 96676
71454 68924 47560 99929 25282 75491 66930 17130 12108 13725
70425 22888 49986 30557 22542 32449 99398 18719 99263 24110
94129 98172 14804 39832 30209 01266 12540 93439 17630 07655
73394 22466 84834 91107 12267 18988 33366 53576 61823 13738
57488 63748 48016 33566 19436 17986 67837 39638 69504 59277
39272 04562 39473 56287 92721 20373 35740 29473 42461 28189
92167 55301 04629 87213 38963 22470 90544 99129 60216 45647
49499 98927 70535 97206 17393 83240 16130 95552 70174 44409
34302 64116 17025 37879 09506 46328 06747 90441 91118 81622
00680 66660 79078 05643 04796 20710 09846 02395 29499 23899
44007 17365 60056 85863 91441 96652 76542 79103 79288 94475
21118 84381 58287 23125 99732 91151 04866 10610 94199 12069
96981 68112 88845 22136 44204 70977 50754 00142 77016 49368
64178 42754 40799 53982 86878 11199 69314 59178 15361 70071
13654 50887 10395 00475 86971 73701 60529 36495 64006 20205
95526 06650 95610 44954 64679 40495 69351 83020 38523 90460
79059 73532 93291 07676 73125 40146 56247 87399 58060 66338
38997 05419 55940 21214 62591 50939 13202 16434 32782 94184
33415 11003 60553 67507 54875 47683 82927 21416 74861 64523

75272 94676 49021 64352 94219 40251 39442 72331 34679 58733
27072 82715 40317 73075 41240 93491 62021 31146 38765 89961
72421 19807 30162

14537/13437/10737 kHz, 28-10, 1100/1120/1140 UTC

04740 00001 00000 10140

14537/13437/10737 kHz, 31-10, 1100/1120/1140 UTC

04455 00001 00000 00140

13906/12106/10906 kHz, 1500/1520/1540 UTC
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13906/12106/10906 kHz, 04-10, 1500/1520/1540 UTC

01116 00001 00000 34652

13906/12106/10906 kHz, 06-10/11-10, 1500/1520/1540 UTC

04992 00138 92355 43716 97953 27297 91088 65093 69419 14811
21897 15016 83188 37024 91250 51945 58934 46929 53329 43827
73040 98907 05157 53270 16337 20040 45372 33527 19485 80392
57445 24030 30784 42873 22453 76048 94199 64907 11350 36864
84993 41700 16477 86766 31032 14049 01765 45091 11165 61033
45271 07096 64070 75878 75045 31087 85998 21308 42647 78044
62822 55330 81658 54483 98386 96702 20160 31181 44775 53096
98768 78010 02442 50840 61764 29815 07015 27673 59153 22213
38990 43273 57990 58467 33388 70029 33881 04403 71342 01446
21867 07251 62014 92847 95828 03918 33607 28238 48224 31486
63586 69083 35438 36575 75959 52746 90045 20002 67818 87891
93839 53430 87212 42480 81563 60549 05964 47118 22652 47902
48727 66507 90390 89699 33939 87464 92652 14295 83586 29998
67895 11455 77310 57315 80517 10328 43855 22056 80377 05317
25311

13906/12106/10906 kHz, 13-10, 1500/1520/1540 UTC

06037 00001 00000 34661

13906/12106/10906 kHz, 18-10, 1500/1520/1540 UTC

No transmission at 1500z

01409 00001 00000 37651

13906/12106/10906 kHz, 20-10/25-10, 1500/1520/1540 UTC

09669 00187 60475 25779 73479 77027 99016 83798 14948 60016
71939 21116 68596 28858 46948 33820 88901 45269 64624 79672
78209 30843 32829 15880 22178 23422 32170 14751 17089 83414
68459 24430 95221 11442 63428 64254 08878 36345 39363 42363
39580 56071 05181 40788 46317 98975 62419 51652 68880 43614
31652 89762 12783 43010 98784 96663 18741 08194 71882 03465
84399 59742 74078 89232 81151 24140 38563 51247 49897 44779
97394 49132 31623 47196 70469 07505 55956 46325 19327 59241
37536 54095 37880 40381 17063 01724 27884 85988 12060 59630
20008 48571 67253 79075 95573 36762 89376 29062 63799 76074
52109 90223 98988 23495 20090 23086 67703 16241 38465 76181
11213 93849 15346 29206 20052 20652 20296 18539 73778 15444
14911 85298 68821 93039 92629 01657 47418 60028 35976 50720
30516 29599 80751 58663 22736 58452 85145 37379 28722 38470
55027 20166 04347 44877 43678 60289 87453 65392 21300 52963
40326 42732 15599 75435 06892 66750 35093 48011 06528 67411
16136 01995 07838 53753 02680 18633 64255 17101 36019 40554
06524 67993 09580 83703 91827 11985 32896 00108 78589 19122
97009 97776 23200 46048 21866 84666 11298 73598 39815 23372

13906/12106/10906 kHz, 27-10, 1500/1520/1540 UTC

01758 00001 00000 40656

19252/18396/17467 kHz, 0910/0930/0950 UTC

19259/18396/17467 kHz, 06-10, 0910/0930/0950 UTC

05861 00001 00000 35663

19259/18396/17467 kHz, 08-10, 0910/0930/0950 UTC

06472 00001 00000 34265

19259/18396/17467 kHz, 13-10, 0910/0930/0950 UTC

08490 00001 00000 33271

19259/18396/17467 kHz, 15-10, 0910/0930/0950 UTC

02091 00001 00000 32263

19259/18396/17467 kHz, 20-10/22-10, 0910/0930/0950 UTC

00622 00409 96688 97869 13197 88083 31522 31063 60180 04074
64196 72194 14542 96242 06702 85993 47073 23869 57563 11136
97787 20365 20640 48912 14805 35379 07139 03998 89507 61201
69705 32967 92425 52123 10510 08267 41041 69713 38494 06078
63271 82834 94133 26542 93221 74249 83178 00763 43668 72649
17516 83226 35526 32155 68628 61592 06380 85619 62250 68107
75759 80756 52675 21816 77517 19400 89581 33138 34677 03635
15065 13566 76588 90507 12237 04262 29729 77730 41827 68739
49202 33445 06700 70173 74599 64531 43875 90085 59368 38409
28196 26368 84479 51781 23277 75168 78556 83983 23025 48130
96952 61617 17694 35484 27234 49133 85236 04097 26233 92193
30946 71003 02197 80606 56762 38337 58690 61569 32984 77988
82237 33860 27123 57656 49642 71002 95161 28515 29558 36202
65257 50554 97991 14240 68481 65687 99767 56700 62807 53129
59138 78216 61480 29144 43162 50080 66684 18620 35748 94365
84857 74716 06439 21184 83870 39803 09729 69680 99136 36762
05440 82947 94199 64357 47602 61059 71600 31298 10046 79042
06151 34097 15883 63154 82965 82425 23917 86024 27711 27415
65623 26810 79037 70714 02456 67677 25105 37349 94334 78319
69250 66230 00972 55376 14255 74989 07651 43248 96218 08453
98809 84317 01296 68784 24527 54506 67964 38245 74458 59953
98379 37145 18803 86818 83412 69141 47048 83187 08397 41888
78470 22104 24176 07808 78886 08146 27200 81346 04534 40991
17395 96816 24442 77458 41823 16052 08567 52097 25703 75844
05581 97964 76145 04194 29564 59825 62489 01131 53674 80497
11060 84463 40797 49734 84299 35577 04037 71634 89627 96772
31188 20516 89282 74887 65862 00914 92641 73718 51065 06574
32289 43196 62222 41035 33975 33173 55865 37379 10519 53241
75959 27935 87592 82603 09265 61683 77911 25149 93042 84503
43408 43933 03725 39628 21235 17451 06155 55208 24575 83065
00454 88267 36695 19859 27812 49752 18461 12609 14751 08484
86288 95519 06525 38683 30846 66600 02544 17365 63127 80077
19951 04470 34479 51816 67848 11077 28310 75508 88499 13759
30529 77171 58417 50588 86090 05069 51457 98268 57310 46006
47947 21000 55225 16744 08534 39514 95645 80670 13321 82847
06786 18598 78939 64425 13607 63632 98590 19752 29898 85143
28552 34880 39854 00179 50244 92097 47005 93884 25125 12592
67678 61376 05210 16884 13077 82672 98938 24119 09257 79097
14252 48858 70316 26530 46268 76501 90790 86675 98640 81386
39218 46475 93951 25971 11798 47659 82976 72085 20674 67255
44895 05949 39039 12487 37355 72862 81346 11766 73202 08243
10093 75025

19259/18396/17467 kHz, 27-10/29-10, 0910/0930/0950 UTC

00932 00387 11754 18550 95839 51313 80001 97433 71850 76328
29698 89861 50079 81901 34310 60821 00027 11460 36073 55460
52164 67173 60045 65809 00393 98816 31044 68138 29471 92330
53292 06376 36823 55468 03027 65736 59211 55582 38797 59069

13248 61708 58886 48979 94618 22696 91335 59420 86624 52124
77216 96352 11766 75756 98324 35282 84619 76198 24810 87867
33459 51663 90782 35374 55623 37311 56652 46068 68829 10559
78868 81715 12039 13203 32288 83093 37606 35139 44532 77322
67082 28414 55187 16355 65434 07105 32170 85968 73608 44170
53434 90317 49917 90301 25107 11698 43147 43254 36338 69801
25529 71446 55203 23652 05319 70420 58571 95583 76945 83396
03846 14720 88342 92926 24883 62046 09052 66043 84944 32273
66499 43313 14406 42380 97637 27775 77925 16349 97641 90895
62858 96682 14035 32097 32643 92320 37651 86055 66325 66340
83380 15518 86034 68315 69105 63409 68041 77255 13632 31598
93387 35840 24989 13053 61468 00114 66551 97757 47366 64186
49679 84630 36886 16066 99022 65861 97800 63768 91908 80284
84137 08209 37137 03943 92573 34563 08209 38628 87532 10942
25674 68156 46174 72703 12019 81612 19561 28440 79609 80883
50095 20942 01610 47393 50292 64282 30667 59720 80321 92325
07453 60918 65913 32298 52393 75005 01009 13851 65649 58241
36222 04937 36006 44415 60328 58301 11666 44006 87785 22593
59472 14944 21992 49274 12184 71101 16730 96702 41871 11778
18941 30019 12275 32775 25639 30059 39184 12509 98689 29674
59607 95444 49222 72094 10914 81035 95929 84524 35823 42541
84065 26145 27666 38588 90215 86693 82305 00535 05935 07753
48842 15647 57803 75438 55214 22337 07441 13115 58729 08646
05816 05336 22447 10541 51314 11479 77829 92403 29658 29598
43093 46238 40929 80455 25225 06786 64979 38064 58045 83405
80390 62935 98229 09856 09388 71632 71221 35177 49461 24668
55069 71071 97069 39538 03931 12504 99594 97245 04326 18140
73705 38736 26461 31115 14599 69999 44466 59183 18614 16575
22611 49222 55448 85448 29005 39958 93677 14244 877225 3356
07492 14411 43702 34085 15701 13949 83033 29685 54611 27393
76845 82232 61877 68912 87429 31992 06265 44977 26431 69655
16611 32787 38556 21252 20810 67157 74677 06644 36755 18729
00325 50359 08803 27315 49460 89377 61365 77406 91019 00002
34860 67471 01923 56089 26688 03110 54809 69953 76393 95987
88783 17690 45501 21102 77444 22184 39199 60181 74290 31257

Test/training schedules

The daily XPB/XPA2 test cycles which apparently started on October 20th. Here's the day-by-day rundown:

- October 20th, 21st, 22nd: even hours XPB cycles
- October 23rd, 24th, 25th: odd hours XPB cycles
- October 26th, 27th: even hours XPB cycles
- October 28th, 29th: even hours XPA2 cycles
- October 30th, 31st, November 1st: odd hours XPA2 cycles

13378/14367/15867/17448/18201/18732 kHz, 28-10, 0400/0410/0420/0430/044/0450 UTC

00281 00191 57282 (too weak to decode)

15825/16083/18233/19117/20406/20978 kHz, 28-10, 0600/0610/0620/0630/0640/0650 UTC

00282 00218 09362 (too weak to decode)

16346/18197/19537/20271/20873/22914 kHz, 28-10, 0800/0810/0820/0830/0840/0850 UTC

00283 00291 01573 03158 62854 52431 00778 03904 30398 65429
56212 10122 15651 57836 96926 54443 27026 11082 33244 18314
14323 91356 60781 09002 09079 50662 15932 81448 37036 97972
00215 16255 06138 73825 68438 73409 67040 99133 03568 05643
16406 90638 65306 67810 75248 71383 43005 67756 22590 04897
19585 96010 55114 57010 37685 39341 33288 92570 94078 12191
36499 19329 66867 32425 65214 39956 03984 41825 89397 23517
87401 27892 07514 27601 01907 23683 26049 92969 33753 37694
07656 48174 58857 32139 78387 04203 61140 49126 36139 29096
40120 74469 05055 91375 69143 97075 23771 32881 02596 35291
67399 01180 78358 99071 17494 91692 88496 27512 55102 14002

13292 40317 58816 56383 04535 88323 60470 34727 54036 61010
78814 54856 05685 60300 83395 12931 22837 16137 58457 04831
99910 93166 90372 98461 70294 06476 69815 59785 14644 86693
15706 33628 94022 22137 15804 99802 15653 48670 86840 80818
36604 89043 78843 41585 56475 12542 95494 18058 15675 04563
68855 72358 69053 50271 14090 20124 49943 60354 86088 98057
18508 00685 20082 67342 45303 45186 60833 83546 44495 83592
97277 74165 29296 77637 68226 10867 14323 48787 41985 57752
10980 51757 44109 10081 17837 43346 64573 43751 08047 95679
49858 55297 62581 88781 62310 35918 68960 11500 96280 11289
51707 11947 73561 32082 07285 94688 43062 91415 82043 03223
05800 01156 18368 28335 87076 66750 56575 10001 49505 01957
80611 17081 75498 48814 33734 41979 11584 40513 15327 32307
41905 02822 52506 30696 06044 99032 78194 12027 02796 23147
00284 73157 61706 04824 89878 48702 36929 34245 01704 95559
79342 58959 61994 94323 30676 34626 36447 24747 98346 65304
83104 02548 76087 49735 61316 02978 48648 87671 22291 88043
88554 44548 07205 26357 01672 07453 55374 70674 58934 85031
05050 77338 38809 52236

17461/18464/19606/20381/20889/22983 kHz, 28-10, 1200/1210/1220/1230/1240/1250 UTC

00284 00271 33003 36742 01167 36722 74590 34513 99611 67058
88259 16664 98720 64195 29131 03905 52449 64219 00840 54339
90970 04225 71469 48406 96678 74079 30419 51546 06081 45114
52712 72915 90416 63819 58311 63220 35443 05379 39593 74339
60706 52100 68790 34038 66804 49149 09818 48695 04665 13367
26833 62977 33187 25039 55805 60042 09460 84595 40163 27087
06302 23043 28432 54497 14346 15344 26247 34901 05883 65910
68461 47069 24625 26500 93631 38869 35434 37431 81601 47428
64261 81723 46880 92713 18281 89733 39727 65376 08014 98268
53760 50846 65215 12506 68036 37663 23668 14293 19692 51460
22902 74916 42811 38754 44904 79763 38352 06686 31407 16936
24608 72027 02994 92733 62824 24577 76162 35718 36215 24611
75615 60869 26886 07614 12150 17614 81852 12118 58462 55968
15200 21140 17738 30140 24525 89343 38912 08126 47808 38517
51381 33040 33969 91076 73660 81731 47852 72481 49680 43458
61500 87949 78076 95079 75843 62032 48029 35197 26604 27290
97909 26234 48223 75438 01735 03467 54289 72852 68208 73480
85664 68035 87909 97697 73229 42574 26899 35809 33952 30417
69760 09371 62435 15003 94467 27250 43063 22657 54296 62492
41314 03714 81521 20517 40606 25147 84816 58530 89341 70193
27442 74998 04272 76199 57793 93463 00040 80377 21850 33268
35132 12220 01244 96185 57528 88538 63796 33219 80970 74484
60402 31631 18556 05715 32165 81949 86512 67391 57090 48082
57757 68368 46466 63758 02974 94761 05098 86235 57209 01003
27209 62684 00807 21027 27359 29093 02470 85335 62987 52067
61349 51597 77559 14856 09790 95810 56442 98555 44034 75842
06951 32647 23287 73767 75510 66763 65752 37485 93210 62766
83439 77560 76008 32101

20749/19484/18048/15848/14367/13978 kHz, 28-10, 1400/1410/1420/1430/1440/1450UTC

00285 00181 47273 77481 25872 01103 34830 59563 97400 70661
34023 53795 33604 77834 54569 06296 37615 29100 11113 07185
83013 05425 40088 74346 08661 81609 63512 52730 85978 12565
11345 43946 73350 07923 05527 74377 81020 11597 49403 98801
48185 02218 07225 59769 11215 49927 75648 33484 51277 81119
42034 53613 11448 96055 31847 31945 81113 62935 65120 34263
38580 85677 73593 84834 58316 80075 70444 25680 72307 80197
15264 27017 79696 11420 58888 80794 98159 80317 73131 59722
18690 28827 01353 40849 69515 58720 33147 87293 75974 73507
93255 18095 46476 15139 71210 61606 28663 11418 01453 21138
79481 49967 62275 71178 55754 16021 73916 00027 77156 51151
33784 00796 89803 05387 08302 08662 84234 68744 15318 99584

57578 83149 49704 98715 76940 07168 80540 64556 40208 96291
52161 75740 78863 51991 80249 65991 66651 30074 48883 53484
74803 31468 50136 23822 39795 92458 28291 41088 96736 61547
77281 58887 07100 01867 63559 96332 00263 63549 84226 47685
35489 08359 59817 40764 88788 58043 21932 37800 22136 51309
43010 54149 19751 61832 14440 25108 22012 24881 58919 94480
77776 38451 67719 41041

20923/20171/19511/16341/15843/14729 kHz, 28-10, 1600/1610/1620/1630/1640/1650 UTC

00286 00235 47627 96008 70682 47520 59158 63989 53352 77644
31322 13667 68710 22957 37383 69298 54035 96679 40663 58570
61911 25359 80082 27302 06975 17139 52819 24864 17000 78210
75403 63815 45836 25580 51615 35594 99841 06843 57557 97936
60173 26678 99090 90879 85226 81073 37390 30340 30342 20065
96383 95362 70345 27613 25767 25377 76831 20325 89032 53543
94700 34293 46989 75141 02240 67506 67829 43130 71340 01789
69455 47191 39122 42726 98396 35232 26267 89201 42075 25900
79747 22478 94521 96934 81825 80040 93468 18222 99812 26238
58761 79516 17810 04014 03236 25880 79688 23949 88638 17719
13243 94259 58999 28552 50608 49191 56240 27619 29215 90533
99108 87628 78249 63132 73795 72221 39770 50054 93315 22199
74036 49607 43316 45102 43027 89938 29381 35108 39490 72516
55543 02318 00563 24355 12656 85487 63478 65969 46325 32634
23799 65849 89005 09279 27128 71131 01267 54676 30218 31013
86108 29634 30633 66439 43682 63635 50942 13896 85524 60669
19809 21132 88127 56698 34989 96790 87065 53893 50475 88306
08743 73799 03728 60680 98398 08186 60600 34037 17974 71894
88671 74704 04890 08477 86406 25909 71684 34123 80671 49019
34544 49581 80444 85654 12824 02667 77720 32307 74288 30337
84064 47372 04201 41910 22269 12309 25905 69951 68039 35496
03035 16905 95921 13629 71997 45104 16242 79650 70290 09080
25105 52942 73220 01455 53762 59161 93354 18072 47856 95730
30464 28293 59747 87635 87828 41298 70502 33270

17472/16324/15884/????/13907/13394 kHz, 29-10, 1800/1810/1820/1830/1840/1850 UTC

00287 00225 44167 69913 03994 50679 10305 31838 90770 71306
21121 37466 70064 61322 49446 64345 40155 75278 80870 76787
14439 05760 81578 73550 99331 14160 56677 24705 14565 37253
33889 90236 87950 24039 42263 82364 56652 12230 38558 30147
44355 45447 49577 46899 65440 90441 50244 13998 65852 85875
08805 08814 81425 82345 74632 57222 68615 70616 70581 89833
94001 85599 17272 53516 37416 30884 49514 46024 19059 67080
07693 27925 36720 50722 32431 68991 56182 34678 08109 08890
63914 42679 58851 28689 28447 25075 08811 05605 49405 85040
13749 86035 41648 48724 36145 58754 28174 96059 09483 34556
40926 04220 94937 98770 78181 80879 72093 30702 49913 05641
01039 33936 62506 61691 25918 51322 26747 88581 25069 12340
22072 43908 96617 34017 53331 21657 86276 87994 14577 73676
40816 60122 25195 73552 67962 59694 47740 60080 50506 47567
52981 78107 55691 43763 84000 79811 23528 79955 22805 84822
32007 39592 70989 97141 12483 97016 07601 60920 45438 56524
94602 84097 16124 76235 64824 40916 08741 88953 93728 66222
03581 66666 38074 77501 59357 43964 88216 52853 50016 73519
98127 06320 65188 29754 41669 01223 89131 28052 61068 70944
52093 86819 14641 93980 52964 68883 61982 79454 78938 43083
71069 34574 86226 56582 81240 65340 01517 93487 37784 68518
08800 54746 10903 71918 58396 88281 18908 86369 34566 63600
51784 80688 27884 22783 14129 16761 52024 50344

11543/11093/10797 kHz, 28-10, 2030/2040/2050 UTC

Too poor to decode properly

15867/17448/18732 kHz, 29-10, 0420/0430/0450 UTC

00291 00220 36110 07426 15039 52166 66386 08209 93746 13925
41621 03284 04069 52010 32702 15033 54320 01364 98600 54540
28621 30451 72380 88604 07833 22433 43507 22093 60165 81843
38028 21067 18012 94492 04936 38653 68783 25622 01621 31527
78652 24959 74644 62232 80193 85117 76277 74327 07008 22262
24105 26241 99935 66177 15074 31632 74652 47614 99311 92504
08669 44302 37942 11902 75895 20443 74260 09576 46064 84046
46248 28687 00852 67074 75887 03662 55805 00148 08411 11623
24245 55567 03185 26002 46636 00776 21131 51834 69317 63192
63000 10068 25118 09116 22856 34349 77014 62630 85225 59640
09846 77711 33244 23959 87000 05418 35388 32860 90188 20312
85935 53503 39202 86687 57248 52589 40007 20938 64163 74008
88420 22436 30157 83888 30047 25081 02667 81735 33216 41637
26645 83062 23800 48770 02877 57543 05625 80224 39990 42318
66397 88268 51533 48005 66145 99395 80864 38531 50867 70266
94230 56075 98577 11126 60218 66408 26553 45462 83811 61830
01850 33652 88642 38440 83765 82870 30682 90431 83710 88703
36764 59892 80948 21844 07700 00050 71790 92140 06623 30550
32005 62834 46405 73948 47405 70569 94484 00584 88440 25446
08878 58241 86311 78059 38368 22733 99625 12083 42238 84373
58803 91532 55720 52163 33401 34338 75125 76732 04514 49068
03618 44402 39847 53361 18814 40014 37085 14693 01144 24195
98385 29107 62705

15825/16083/18233/19117/20406/20978 kHz, 29-10, 0600/0610/0620/0630/0640/0650 UTC

00292 00174 09522 31780 45685 07422 16829 92279 78579 83402
24668 87918 28102 82037 42654 30916 64074 28671 82350 13204
45114 22262 97234 61066 74612 81057 00803 47450 02566 19617
20538 50291 98205 78728 64583 47725 57634 92066 29858 25126
48028 80302 91076 28165 88137 52703 70033 19202 48454 57166
64626 23789 22902 57505 81399 75934 93300 95063 08304 08344
96750 83464 61507 10054 61812 62912 36908 43533 32651 13341
16978 88990 53773 68799 86744 16876 16390 03201 04716 67084
03658 26701 98994 45399 54989 96747 27389 40699 97328 88647
54424 62569 83761 21513 28374 64562 18795 81021 66352 25225
05804 26500 86549 35113 40188 75635 70015 54101 70760 64522
59544 90098 90347 41209 04686 70049 84469 16108 55063 65063
35522 06208 46204 44002 58916 54408 05228 32260 40424 22182
98080 35367 36848 79490 61279 77157 40150 63880 05210 79352
26732 73286 69938 32805 29103 64324 72220 42541 16827 58324
80091 02686 25957 01288 89701 99595 80295 32546 76196 85778
70407 37755 13676 48577 66441 24176 53249 33677

16346/18197/19537/20271/20873/22914 kHz, 29-10, 0800/0810/0820/0830/0840/0850 UTC

00293 00210 46192 84881 48504 95269 74402 14810 84249 28032
26223 18495 90366 44434 19174 98998 64389 51526 24630 10526
18235 65932 26901 71673 72549 03262 88043 25127 76639 52840
67652 23510 13373 29080 59220 16301 28088 29063 66895 74667
68520 82581 52022 85974 17544 78239 83871 03633 70286 72687
31649 68773 08666 25732 19445 97098 13123 74517 12331 45241
07226 49275 38169 31409 60378 02713 05121 61285 85212 02873
70910 35326 84630 49962 42004 35652 13909 40926 54129 94308
19390 74409 54839 02952 21190 98878 14843 87639 09535 62121
03177 53570 16731 21653 67440 19245 44411 20612 25595 14830
73118 22585 18419 67413 01777 96321 84142 58702 83727 83792
83188 72196 20387 18022 25850 22815 94434 34217 10219 61499
87868 17480 51650 23091 99695 17339 18595 62976 82520 22758
91239 93296 15331 39299 21190 96804 65990 87425 02175 24867
14736 56139 03912 25841 78931 30979 33182 98708 95802 44624
24810 10194 10393 64094 26960 55637 70933 95326 67717 84436
77726 21165 76181 60968 92551 89891 56865 81087 96830 29045
56823 07008 32041 85350 46763 31728 13567 25808 44158 68715

84156 19886 67173 37896 97947 81045 82902 51235 12338 65551
25870 70662 19708 17737 47139 93569 79957 42943 33289 89039
74113 52093 01877 66756 87798 17802 78151 25041 17331 95230
42069 45124 52455

17461/18464/19606/20381/20889/22983 kHz, 29-10, 1200/1210/1220/1230/1240/1250 UTC

00294 00227 50900 14881 89166 51656 11633 81485 90419 06323
14403 41556 46172 50324 38612 59449 95760 78936 35531 61533
80556 94899 28793 89044 05520 90170 52851 84855 85411 30822
06960 76256 22767 89308 01920 79108 86653 29113 64502 38332
31357 92101 47447 49877 03818 41746 66585 20811 07032 22910
31952 39903 49047 26124 20757 94627 23076 61854 09361 98994
98803 26776 96072 59596 99361 38145 18789 56863 48403 59503
72795 66647 14434 97198 30176 88453 47451 78914 85226 63773
23584 32039 77822 62500 98869 67056 27209 96641 68551 07292
56031 24798 19752 65506 39528 04580 96028 87850 50515 65671
22956 09722 72407 47528 50114 65304 25469 51848 95946 32302
47175 44161 76627 45586 75409 66763 48953 33571 60725 32305
10936 22147 88311 41111 03471 47996 46895 48926 57669 25596
92423 59600 28398 19554 40816 13862 59631 30293 12386 33565
41587 75360 00694 36248 60115 11869 48170 74164 90096 72764
55625 62457 27124 18210 54735 00809 21410 31295 44057 02118
18408 76541 94177 70350 39878 87573 15762 57072 04769 61547
07131 18660 21185 27160 90716 35575 21452 52063 80994 91600
99825 72729 58829 84904 69969 29966 32476 10188 64818 40007
92451 28336 86234 10268 15156 65044 81181 30343 96369 72541
96106 91096 69394 28548 65632 36965 41271 99962 27492 19160
79356 69346 50299 52456 02291 45678 17712 09273 00380 09911
55097 05573 92253 64761 69095 78794 32424 10917 12004 67657

20749/19484/18048/15848/14367/13978 kHz, 29-10, 1400/1410/1420/1430/1440/1450UTC

00295 00214 23029 81254 29372 11727 25491 40238 06747 13084
17476 87034 46619 13289 53366 80673 54270 84332 33647 58615
54227 32406 71545 03074 73982 06169 65280 26754 87698 27211
13814 73933 61868 36415 99665 79254 33100 07170 61192 43677
79976 40750 54192 60633 63019 02483 58407 40548 71537 65296
06191 42129 10319 47204 56110 37684 71202 19955 07272 23203
46445 98736 52538 79535 99268 43542 25166 10204 13623 74110
47572 47100 23140 89968 78637 13477 78213 10911 40053 71498
47760 24732 55215 22402 21019 71683 63613 14664 80303 61981
08051 13144 99897 37989 97230 81239 88210 74656 61364 19477
77316 48203 26924 97426 17723 59090 18989 20349 68565 42633
59470 60291 79900 35773 75441 21712 43520 30136 58515 27584
79927 10501 29899 51641 66059 34427 47201 85149 92736 97397
25266 03556 49546 20576 94180 99556 97807 57788 04679 61928
52694 43264 46097 37669 02510 47759 33243 64124 62547 75518
37718 58073 16141 33779 39548 66815 18303 75282 31366 83294
11889 33838 27611 71167 17367 55913 10744 59324 41591 75883
23904 85731 25457 96586 74889 36662 64402 92228 49130 18299
01184 83076 22602 17218 59678 67191 87414 15767 81026 27364
81253 22524 26421 21383 50038 18855 15652 74929 20302 46596
37015 73917 22532 86662 51613 51986 32616 19554 58888 02885
02412 26073 26152 13066 82109 28812 50006

20923/20171/19511/16341/15843/14729 kHz, 29-10, 1600/1610/1620/1630/1640/1650 UTC

00296 00267 61830 53959 06977 63460 66418 13756 12605 78415
82385 83887 19417 96760 90955 72907 92479 98838 73787 83870
27243 99860 06712 49823 00927 03761 87439 03091 46060 07554
08259 18129 44555 47270 97376 43888 23712 47487 92075 01079
44466 29113 87061 31323 59634 35449 35255 46338 73637 00478
35550 73516 91443 77688 77668 92495 71848 11607 53031 03215
76019 63327 67695 05051 70155 64255 39221 72145 99383 47067
49195 33195 06763 72707 39403 97128 12799 75397 90187 65477

68505 41101 29452 45582 72003 34741 26684 66976 69601 04880
72038 12104 94455 88859 25059 81137 61417 82010 61166 95377
96227 63108 46953 26570 51282 90556 66753 17736 38285 79538
79696 96459 21418 87552 34708 34918 33875 22113 33047 35414
37570 72244 02544 94503 75027 37090 50536 17902 47648 58264
36711 30787 10220 94809 69249 05396 94146 02882 94298 81445
67986 07948 28690 90062 25183 75578 90685 06902 54151 90140
47262 39303 48962 25752 57806 23983 60564 52449 51541 14192
44420 48850 71087 80019 42626 48908 82239 26608 18303 29311
40770 30983 27813 51601 67426 29622 43553 12480 69319 99448
46503 43633 63750 57507 11002 97406 81824 88466 37002 45266
44831 41697 51339 80106 41424 19136 36860 48670 47235 76273
93337 64077 88598 24839 49369 16269 11490 97360 58324 28184
80428 48083 83128 52092 67787 96386 85099 13580 69917 45419
67083 93771 89604 73035 84479 99072 79653 47706 10176 48290
92761 94882 65244 93045 06110 82325 55033 38911 08137 94731
85915 84462 30142 08818 64836 96747 58567 99245 12318 45037
34035 23279 79651 01816 09190 99564 64471 15562 40358 50296
36615 63783 87184 10034 35421 85545 82837 90082 45981 20555

17472/16324/15884/????/13907/13394 kHz, 29-10, 1800/1810/1820/1830/1840/1850 UTC
00297 00172 07410 ... (poor signal)

13562/12194/11543/11093/10797 kHz, 29-10, 2010/2020/2030/2040/2050 UTC
00236 81379 (too poor to decode properly)

13892/16301/17436/18582/19084/20381 kHz, 30-10, 0500/0510/0520/0530/0540/0550 UTC
00301 00287 62672 49289 93266 33644 18024 78008 38104 45106
15553 14650 20933 89681 49089 66060 44448 61296 11659 74756
55177 08930 04530 40326 86804 22324 99725 99087 35501 15374
03117 88802 79693 05503 69089 47289 37227 79559 13527 44393
18279 89610 89680 94432 39830 24394 18006 75445 78894 95557
84504 79804 35397 21806 10247 59994 87294 22346 62483 70942
33918 18935 42506 22730 41989 26749 34956 15429 20591 01799
28832 64888 47769 67264 56476 65565 19248 10097 00496 62409
04317 24279 20193 39942 30868 23312 53405 57886 95254 09095
59994 14881 17075 42583 10475 99343 47103 66949 52443 13080
89437 02576 54854 77094 66725 19616 32034 68131 65329 44681
40745 77196 21849 00073 66625 09638 98740 02564 91861 18676
73343 77068 20174 11495 41804 13950 47812 05185 56789 57131
18461 52298 57652 87415 72971 01740 69424 43097 73216 11251
91276 85272 92556 50573 68349 82796 93031 17001 75957 00836
00602 44539 75086 33766 39735 12368 82401 43358 35290 52774
71802 26849 11341 08197 26219 88445 19544 34433 27101 64884
40212 55643 29346 80609 27398 88069 84511 69599 43145 59006
20918 30810 29226 55952 56529 73921 77210 23886 47679 60602
19337 26066 07807 20441 39447 64427 73930 84358 24354 79902
63252 58597 89899 11072 60623 44958 15192 94475 06367 51664
27855 12802 00213 76282 31856 40992 97622 55387 51667 52296
11234 95657 86752 66497 45546 14145 47835 08904 41162 62970
14139 00153 45244 63241 95752 62319 40910 18153 95328 11570
58728 82733 17518 96014 32747 06535 25853 31523 88584 98454
66803 18543 32691 72057 68668 67594 71843 23402 65525 46477
97121 06288 53313 43396 37525 27702 67507 36970 80528 69535
00082 79468 60058 40096 93567 28499 78138 90737 33749 39011
88291 16311 20319 42707 96165 95594 67460 73186 94572 47131

17459/18697/19273/20056/20992/22942 kHz, 30-10, 0700/0710/0720/0730/0740/0750 UTC
00302 00221 35691 62373 82381 47073 99335 66646 41370 20199
48280 84044 61653 99847 42032 44118 33464 90351 17220 61594
53347 52037 57519 13081 06664 36226 09046 71457 22982 45543
43058 67431 07973 61483 09987 61114 68197 20435 56344 58560
95953 59099 56573 10781 78269 11236 28751 33428 42698 78943

87004 44121 03423 55035 94339 72155 90187 22610 55709 46155
38027 27878 43663 95825 77140 80847 76071 00170 89860 80917
75920 13028 34007 58659 65639 94246 95463 46738 34810 95427
07474 75616 28759 44037 58538 98935 64008 52936 67142 37831
70925 45586 64725 10188 20532 68075 15436 60747 33639 97421
35163 28580 43567 61780 03023 73975 10114 44762 89395 00092
76690 43448 87799 60280 38680 62410 99117 99624 37286 78203
16838 23135 33027 52028 09991 30334 48301 23818 38127 97562
78810 34716 13098 37387 60263 78892 32048 66978 41014 84561
88821 19245 63540 60089 60039 27476 57786 04444 71506 58121
68957 15810 23460 55435 80582 12028 95552 91538 51788 72687
25673 86295 06635 91831 21281 41974 30349 50411 00016 59787
30361 32138 58610 52723 89381 97591 59593 65977 90887 82513
72546 43857 52310 80004 28604 63000 11255 57662 56804 48235
83339 40509 15189 68325 58888 02526 12610 71707 45768 19164
97126 07375 04428 11719 27760 36818 57199 70735 66053 82989
52433 29575 00650 69274 00140 81815 33984 26629 63226 58279
30718 72686 93605 61364

16249/18334/19624/20118/20951/22869 kHz, 30-10, 1100/1110/1120/1130/1140/1150 UTC

00303 00291 04331 13116 28926 12234 86267 80049 15786 97019
96977 81847 32477 84975 77983 09340 19459 95986 70953 56311
69155 66306 47786 57159 83062 97873 63971 47668 58277 51884
38447 53407 72874 36701 67903 74061 65307 63577 89561 71990
10965 73201 89517 58578 05156 63797 28568 71059 17965 89511
39181 29172 23112 55797 09561 05844 46319 47170 30053 31052
48261 38599 21772 63901 58571 43569 08972 95774 17071 03921
44031 55880 06424 98961 45345 95953 76788 89206 52003 19265
69304 92910 29703 68764 12702 09275 30294 17076 27139 62059
27741 18137 33524 58509 23728 72365 51429 25616 00007 61585
54824 32793 53988 14043 45479 83299 22747 24150 10452 13607
29055 57111 95165 10788 61747 55350 08896 53006 51198 49296
13274 91894 68634 55011 76179 25894 22356 47914 75232 72978
44524 51172 89199 90416 64439 36510 38922 15659 23284 29401
86527 06144 06624 13532 33003 70628 22970 22736 96760 68377
63469 98421 74416 50710 48311 62928 64157 98976 37862 19584
60943 74831 48917 37472 69082 77881 67911 04749 46347 25236
16428 93235 29721 21796 62767 07130 85269 55102 22007 05550
02924 99619 51152 06854 09509 46101 76754 38488 42105 01510
72352 39945 77796 03700 68457 11695 57225 69151 44448 55120
02716 18220 76387 71524 51949 70233 68699 52620 87941 41180
77658 09054 76968 32311 16660 61323 23678 42062 27962 22980
01127 29422 62642 44836 52882 76482 15438 26021 53338 51071
49903 16118 10654 66885 02834 84702 23231 79627 54904 39274
77400 24133 50546 00924 23851 63298 62975 45484 87038 07133
88016 15163 41188 21468 53993 73292 55577 31550 18641 75466
54794 42678 99280 36870 91276 61540 98399 10083 29477 31956
38091 44049 87156 88687 45579 76992 78875 61718 20985 89583
13506 69953 38981 46204 63054 34739 74928 89184 12892 29540
29125 91679 60986 27263

22917/20789/19543/18241/16252/15809 kHz, 30-10, 1300/1310/1320/1330/1340/1350 UTC

00304 00156 68319 12931 88752 17149 92116 53173 42691 42754
45846 99538 09448 96618 76227 16212 91351 30931 82964 41182
43421 58886 44126 16264 95331 75354 76812 95206 13916 78423
34430 62880 61012 92384 44075 92140 16145 87272 14119 70006
98721 84411 75610 80429 70828 87939 55388 23037 05984 45114
60022 04346 07744 06268 61468 24429 60055 52055 17599 13398
40336 96909 39257 64266 08324 82964 38525 17062 52543 84086
00066 04078 16811 12958 42460 59009 83274 63696 45434 07391
19966 53775 89221 68800 18401 30083 55135 54744 30916 19645
32084 64089 69673 00721 29669 01811 45153 11343 72105 87863
49413 38325 70492 21897 45048 55943 87533 94785 63807 02458

41154 96357 06620 10207 93430 86560 07687 70456 45865 78239
27828 83780 86145 32897 52001 35976 34404 16090 83287 40648
13855 71931 91590 57570 57976 81640 83281 67323 23752 62456
42548 60349 90936 28457 78490 35726 57468 59465 07290 43108
94123 74696 65477 93864 60035 65632 52178 37594 16107

20847/19184/18358/17435/14967/13367 kHz, 30-10, 1500/1510/1520/1530/1540/1550 UTC

00305 00157 90168 33222 12000 39135 34745 07793 35314 87825
27914 30617 21501 36150 16008 11150 67829 44544 88929 85788
18663 79671 95097 86011 07664 85828 76326 08598 36621 80795
58616 34865 45198 73984 42598 98790 44304 18565 57645 33028
94549 36333 48201 08758 10869 33194 81171 48219 70250 12275
60898 61043 55497 84979 09414 98792 09779 04156 25558 26280
62807 26147 71171 54518 29209 93048 85417 47516 93551 17217
66845 49263 86897 55901 91237 82328 31469 86339 75142 74468
03657 28106 38347 24345 19896 97572 79366 60218 64570 45380
89011 40148 93006 31365 70219 68401 65161 93682 79548 17819
47776 34655 54667 53033 45429 11634 74144 99594 93740 27084
67322 23438 29012 51088 22622 34700 87799 46825 34621 31636
13681 25199 82944 49746 28205 26696 56256 55532 85681 22835
17167 37786 06791 57323 26691 69001 73438 85312 78915 08261
23427 79770 66476 37485 76481 65572 11136 41917 08742 35518
00601 18335 59060 47911 04137 22576 51709 04920 24828 25244

19434/18233/17463/15864/14984/13967 kHz, 30-10, 1700/1710/1720/1730/1740/1750 UTC

No transmissions

2025-10-30 11478/11078 kHz, 30-10, 1940/1950 UTC.

Message. No activity on the other slots

13364/12223/11494/10829/10214/9293 kHz, 30-10, 2100/2110/2120/2130/2140/2150 UTC

00307 00161 39109 37145 55554 25053 17199 61373 10537 21429
36695 74840 37063 44621 58162 86076 34999 17105 83546 48879
57722 43977 88678 26095 74698 31537 40410 28308 00299 84763
35342 56798 99774 65716 07586 27779 48437 13014 48189 48299
19178 03898 38902 82346 22874 21015 01662 18894 97409 61948
15867 95976 59130 45208 24710 36097 18712 13014 62446 24017
84642 88889 61074 25773 86086 79896 75064 71345 37034 30382
37638 21985 68915 35246 29700 53823 05075 06331 03220 53682
29875 21515 30898 38349 68895 39365 97666 54566 41006 71488
09067 35423 50566 24172 63656 30287 42823 13129 96259 42977
45950 30315 81859 67026 24310 93881 27060 23884 15508 70885
31022 12380 09793 08764 94140 63126 57991 22725 56876 46721
82229 20498 30339 65544 21315 02214 71417 44743 71589 99411
11000 91944 10070 60242 07731 99558 39655 63871 14038 75013
12304 73782 39058 70119 40466 96685 25630 41802 30030 00529
72295 20097 56251 49538 60746 25452 99974 16314 45711 22096
22464 82316 52293 21746

13892/16301/17436/18582/19084/20381 kHz, 31-10, 0500/0510/0520/0530/0540/0550 UTC

00311 00186 00216 56601 29108 46599 94554 23600 00900 11169
10522 53532 41372 05768 38783 55955 44145 77804 80434 49416
80303 70216 70904 74267 99389 07962 61833 41266 87111 69870
23449 03853 56327 89061 59219 78913 86764 28555 80221 88378
08417 97646 74150 60828 06378 87411 61366 42566 52173 95353
99208 25547 48731 98777 61678 88288 53563 25947 57211 21146
84665 53288 36487 31029 87718 06669 97203 52310 46547 58868
69189 15589 97581 92054 40998 82656 96064 10076 67889 11978
46594 19267 89091 91757 70661 97900 55121 57448 27382 60930
25349 60817 71343 59075 03613 55127 61158 43121 73108 99708
90207 09056 96017 92303 26163 83618 27965 56675 57779 79021
02223 43487 58056 45233 74550 65497 64195 44729 60367 89817
51546 39654 24927 85616 34519 08372 44244 38505 88441 85869

21497 52943 36966 68180 21769 37537 23248 96787 65593 87041
69935 88444 99768 48360 58707 81861 02660 26000 84524 38114
90931 16428 82652 83290 48161 50552 84128 00401 57784 17791
39373 89458 68232 71908 57523 49279 06520 88875 23463 37012
42248 67407 79135 73324 18881 53000 38885 66565 26908 52657
05612 18134 53880 50327 94937 05069 70189 53675 00017

17459/18697/19273/20056/20992/22942 kHz, 31-10, 0700/0710/0720/0730/0740/0750 UTC

00312 00285 68292 15178 41944 35588 39026 27735 27907 64600
17100 22534 34409 44028 24788 68606 66066 99772 48766 39182
99252 50032 77607 28785 63527 58562 90927 60461 62233 88177
53503 38444 00388 33267 18691 04770 47301 78167 07002 17162
17833 18287 37785 33771 94938 09998 30007 90089 26961 55471
04661 19439 41384 14804 01084 94590 12889 38506 51650 83391
44559 78563 64491 38729 00007 77665 00136 01131 24337 19918
11304 77908 92659 32704 11338 80955 12256 33836 34846 44518
26444 99837 33499 07771 83516 33864 87059 85592 30083 23000
91879 07794 26517 23710 72502 39279 52804 99055 22664 16173
87771 28866 65652 07033 33166 16652 26778 07680 93455 10027
82334 79042 03660 87130 55836 44810 45063 57719 56100 77132
81705 14432 70856 01237 27938 12500 61390 68039 60111 81058
28151 12188 00071 18672 56646 88486 34085 26456 63604 66664
07185 88378 02127 00055 41655 12926 05133 28385 66682 26681
83114 85083 32833 55511 33366 83328 58889 64514 79004 11555
55360 57737 48478 00307 82865 68134 77881 84886 30484 56449
00735 18607 83004 89446 69956 93325 00315 60888 58471 15000
07377 21114 01257 22519 87832 33067 70344 45649 83205 73316
30477 69569 47351 51949 00403 49447 39999 91719 17079 72629
35044 10145 88999 00333 16946 65607 00869 43385 85564 30038
71913 87007 05033 64092 13277 23355 56480 15959 23563 59908
98778 32232 00781 67166 16971 41164 71254 32164 78043 20509
43325 18685 33811 86840 79966 77231 33003 90922 15573 12235
22088 16959 66683 33065 01403 33369 64525 83258 36671 88046
92865 23940 68155 57170 73850 02812 19363 11734 93361 75780
03352 78803 64351 65055 77713 52218 42286 18102 84124 27045
80250 65557 00386 00328 37800 81819 72147 57715 65662 73600
66638 87995 94492 89985 26532 29484 51538 30134

16247/18334/19264/20118/20951/22869 kHz, 31-10, 1100/1110/1120/1130/1140/1150 UTC

00313 00245 81997 37197 35588 94957 78065 15129 15382 83263
86443 24145 34147 39384 63985 26115 78523 30316 97653 33077
35304 62936 22001 33757 38105 52345 55075 37780 24410 38402
73157 10270 61325 15807 38365 29594 21031 76511 34476 07813
70464 18718 84651 76043 21591 97283 34898 68726 28591 23540
11468 59206 19127 30179 54306 49607 41716 48240 00091 83242
39881 40285 90717 76978 10105 76173 20818 18339 01018 34391
05083 02011 95838 89840 62612 16585 78283 45957 12165 40820
17447 86347 09189 00870 26933 13951 91141 31145 61499 88756
87877 72789 76420 51232 67930 30179 27999 07672 65937 45417
34465 16558 67707 94199 18456 09457 63366 29286 67566 37721
71323 95758 36075 59269 65795 53533 31095 89847 50044 96153
85030 31672 56839 12260 46512 32293 25589 44606 21910 32432
88585 70611 80018 66747 06355 00888 18639 14989 82412 17476
50583 61855 63578 23778 17433 92117 36714 17150 85436 14397
99082 38151 57626 69783 60385 02792 49718 55447 47686 86161
83866 18760 07376 35133 49134 00711 15739 69327 52914 64906
34893 16106 07434 32568 45570 23175 68093 33060 94825 54394
95578 08438 59168 07512 22349 50433 12984 10235 06361 03563
41169 63191 67302 96249 33609 31822 54479 28444 74643 16721
76377 67385 64235 20529 79502 82975 30717 25058 24213 37210
34697 26657 60620 93290 90582 75427 59590 99862 01784 98700
87726 05504 62965 49350 23736 71700 48803 11183 98957 13747
68694 39649 58416 78103 78015 28192 44202 38638 28008 50372
19716 87924 86021 69149 68864 14511 02571 67254

22917/20789/19543/18241/16252/15809 kHz, 31-10, 1300/1310/1320/1330/1340/1350 UTC

No transmissions

20847/19184/18358/17435/14967/13367 kHz, 31-10, 1500/1510/1520/1530/1540/1550 UTC

00314 00286 76514 88917 04563 70035 90098 88765 23865 65658
86680 61386 72135 58252 45748 89953 73768 79967 45593 36135
50256 78959 65637 11601 09861 94842 03045 67981 73787 40702
86904 17104 44718 20454 17150 89128 43706 96261 24606 66784
67392 87550 20154 75307 86343 57465 94702 96562 05394 10525
80166 58517 89267 25111 67974 52950 25605 64912 79055 09720
66990 22116 14977 83162 78753 69576 16668 51680 41101 56618
46246 77505 55361 78808 68742 62704 58804 90328 25257 52394
00139 06481 62587 63261 60534 28387 27835 19607 52479 64198
63523 78793 17205 14885 99792 45275 72572 36991 96553 16767
40797 43021 55461 48775 64277 02661 03155 10459 56368 05270
94145 35275 39655 26661 09580 60508 59528 51715 22627 50366
41740 97059 99200 76901 93093 67452 60299 40475 79014 23466
90130 21812 93774 08490 11597 57117 51019 13812 98983 57873
25231 17375 63238 47208 70052 28247 39137 90543 05305 39284
85746 20857 14364 46187 75025 43736 43820 78558 55680 96824
42360 62678 31443 32901 15138 72332 41500 31165 15064 52462
09489 45715 52731 64752 25134 24365 33821 51991 06849 64845
28314 69755 35170 39730 37718 69273 07448 47586 33463 67859
13297 72459 58130 02158 15512 62552 85931 30336 32070 97719
86746 07972 75479 52841 29794 40030 68125 49610 21052 50660
09914 91827 71709 90833 68509 72604 27507 91712 95182 45864
64883 93912 97700 47203 39164 37028 87583 50572 49239 51581
38432 03485 19921 09129 78088 20342 94274 82327 09936 97686
01147 57836 26533 82802 57944 21469 00750 67296 33647 42907
35044 94218 35152 86204 32835 92832 10271 28276 13676 92764
52445 17552 00370 58470 12227 06429 71905 62579 12734 48167
78329 45178 81776 97494 44716 07047 67378 14897 89257 17695
36277 20287 16924 06332 27536 44213 68331 33716 70617

14918/11478/11078 kHz, 31-10, 1930/1940/1950 UTC

00316 00274 33273 66281 11863 48843 46727 71552 80434 46121
79282 41641 27354 03418 44316 21123 15941 08326 47316 03632
40650 43962 99287 58148 57073 48559 67213 92020 87861 33369
94070 21583 37502 41022 73554 73214 13142 32957 35542 95292
94100 93289 51813 11368 _0681 27510 06330 45431 82520 81048
88339 29425 76564 13990 17346 72757 83978 75124 09207 63303
81628 54705 83689 47065 52049 57699 04139 8_340 2986_ 71101
07981 82983 72782 52022 09530 47359 92147 87918 67466 29563
42229 21782 09499 06812 45028 64644 45017 23511 22676 00796
89234 38016 23749 72238 13664 39395 09599 04747 59317 32982
23370 19988 15568 11419 73066 05356 56642 24542 04_59 69985
80609 96059 07657 79643 21073 59845 45205 7_877 02037 _7404
12681 80627 62663 29066 81865 69963 59234 00543 38358 70134
37766 87399 27600 34484 06192 22240 06214 98079 33744 39671
08002 20475 19052 53690 20186 93164 _0359 44104 51164 53817
94188 32721 02710 71912 20300 42742 57323 865 __ 29553 03102
46121 56098 86183 34323 32225 93208 67458 73172 73450 98832
53630 46125 43132 62364 79401 92205 61574 08973 08880 88690
39604 15129 49378 84539 75945 05038 84689 56686 14183 63448
64915 19712 68525 30642 93549 51903 34291 84727 21464 26976
25716 5_185 70652 52331 00186 47062 89587 40345 925_0 28093
81166 48349 77620 40861 63496 30991 06720 01643 58377 27186
08509 10771 58988 10002 33916 33918 78598 12490 68813 27497
57914 76846 87507 81902 62974 82418 44475 97045 84352 28882
15450 44344 64175 86088 82281 16565 42091 27663 67144 62558
45183 32647 26350 94277 18456 14944 98195 60650 18415 66267
68462 77097 71530 65013 70178 04_20 60840 95716 77886 81077
86515 09673 17290 29494 1173_ 64174 05003

13364/12223/11494/10829/10214/9293 kHz, 31-10, 2100/2110/2120/2130/2140/2150 UTC

00317 00264 01916 47737 07751 21463 29238 67552 70577 88334
86609 41124 88026 81398 64340 09423 79350 26679 73122 36849
96243 22194 49720 13079 15033 88381 57918 09944 38045 22008
83120 19514 85697 23879 88744 86019 69072 54685 12790 73764
91455 11455 90829 66317 37425 00456 64137 62848 43938 03925
81188 04453 89624 07479 44842 01322 26616 88835 32704 19369
63544 19294 29506 48568 05213 66095 55426 64147 92653 78319
40349 24665 13889 99356 45393 74788 31364 83401 75653 14577
24243 95069 66004 34120 40819 78667 29888 78218 79035 87422
59403 80236 21980 93420 10220 72161 91947 42260 61104 70329
45029 99989 70194 65618 63574 56522 90563 90267 62084 70053
69957 43214 13182 18127 95124 68474 53288 95385 07749 26545
37207 77206 85110 05231 18916 60111 02684 20467 89135 73231
82839 89102 22297 05323 69546 24253 24874 00386 70544 84295
88102 39620 16133 08981 17465 16189 67053 03853 98294 41745
18872 96561 34510 34558 33121 67821 14878 54963 46701 03463
53838 70095 01131 88852 87213 80853 20916 07858 48579 70871
43599 52901 24841 23453 38442 97586 61072 76129 87765 02727
93056 98829 22172 47390 54358 86277 54591 87737 72201 01725
09374 59910 53684 67081 30456 18007 38488 27280 21767 36610
95271 59195 55262 27423 98144 65969 71719 11057 96115 35534
06748 38748 77197 43973 10405 55007 47923 53739 34493 00935
26261 33178 35656 46854 61496 83687 99216 57759 92995 20435
59097 33792 54362 51154 07455 33861 43556 94747 49235 88388
14557 43534 91621 36666 94975 70624 82712 09710 56675 75447
70082 84748 92785 20831 10348 62093 23538 08418 65925 14456
66752 13960 18060 75680 76436 72955 01375

XPB1

20075 kHz, 03-10/07-10/10-10/14-10/17-10/21-10/24-10/28-10/31-10, 1300 UTC
19575 kHz, 03-10/07-10/10-10/14-10/17-10/21-10/24-10/28-10/31-10, 1310 UTC
18175 kHz, 03-10/07-10/10-10/14-10/17-10/21-10/24-10/28-10/31-10, 1320 UTC
17475 kHz, 03-10/07-10/10-10/14-10/17-10/21-10/24-10/28-10/31-10, 1330 UTC
16275 kHz, 03-10/07-10/10-10/14-10/17-10/21-10/24-10/28-10/31-10, 1340 UTC
14975 kHz, 03-10/07-10/10-10/14-10/17-10/21-10/24-10/28-10/31-10, 1350 UTC

19544 kHz, 06-10./07-10/13-10/14-10/20-10/21-10/27-10/28-10, 0500 UTC
19044 kHz, 06-10./07-10/13-10/14-10/20-10/21-10/27-10/28-10, 0510 UTC
18444 kHz, 06-10./07-10/13-10/14-10/20-10/21-10/27-10/28-10, 0520 UTC
17444 kHz, 06-10./07-10/13-10/14-10/20-10/21-10/27-10/28-10, 0530 UTC
16244 kHz, 06-10./07-10/13-10/14-10/20-10/21-10/27-10/28-10, 0540 UTC
15844 kHz, 06-10./07-10/13-10/14-10/20-10/21-10/27-10/28-10, 0550 UTC

Test/training transmissions

8148 kHz, 10-10, 0900 UTC. 1m40s (null msg)
9283 kHz, 10-10, 0910 UTC. 1m40s (null msg)
10427 kHz, 10-10, 0920 UTC. 1m40s (null msg)
11574 kHz, 10-10, 0930 UTC. 1m40s (null msg)
12153 kHz, 10-10, 0940 UTC. 1m40s (null msg)
13439 kHz, 10-10, 0950 UTC. 1m40s (null msg)

8148 kHz, 10-10, 1030 UTC. 1m40s (null msg)
9283 kHz, 10-10, 1040 UTC. 1m40s (null msg)
10427 kHz, 10-10, 1050 UTC. 1m40s (null msg)
11574 kHz, 10-10, 1100 UTC. 1m40s (null msg)
12153 kHz, 10-10, 1110 UTC. 1m40s (null msg)
13439 kHz, 10-10, 1120 UTC. 1m40s (null msg)

Then nothing until the daily XPB/XPA2 test cycles which apparently started on October 20th. Here's the day-by-day rundown:

- October 20th, 21st, 22nd: even hours XPB cycles
- October 23rd, 24th, 25th: odd hours XPB cycles
- October 26th, 27th: even hours XPB cycles
- October 28th, 29th: even hours XPA2 cycles
- October 30th, 31st, November 1st: odd hours XPA2 cycles

13485 kHz, 20-20/21-10/22-10/26-10/27-10, 0400 UTC
14515 kHz, 20-20/21-10/22-10/26-10/27-10, 0410 UTC
15963 kHz, 20-20/21-10/22-10/26-10/27-10, 0420 UTC
17426 kHz, 20-20/21-10/22-10/26-10/27-10, 0430 UTC
18235 kHz, 20-20/21-10/22-10/26-10/27-10, 0440 UTC
18748 kHz, 20-20/21-10/22-10/26-10/27-10, 0450 UTC

14434 kHz, 23-10/24-10/25-10, 0500 UTC
16286 kHz, 23-10/24-10/25-10, 0510 UTC
17457 kHz, 23-10/24-10/25-10, 0520 UTC
18571 kHz, 23-10/24-10/25-10, 0530 UTC
19334 kHz, 23-10/24-10/25-10, 0540 UTC
20716 kHz, 23-10/24-10/25-10, 0550 UTC

15926 kHz, 20-10/21-10/22-10/26-10/27-10, 0600 UTC
16148 kHz, 20-10/21-10/22-10/26-10/27-10, 0610 UTC
18321 kHz, 20-10/21-10/22-10/26-10/27-10, 0620 UTC
19417 kHz, 20-10/21-10/22-10/26-10/27-10, 0630 UTC
20167 kHz, 20-10/21-10/22-10/26-10/27-10, 0640 UTC
20893 kHz, 20-10/21-10/22-10/26-10/27-10, 0650 UTC

17459 kHz, 23-10/24-10/25-10, 0700 UTC
18246 kHz, 23-10/24-10/25-10, 0700 UTC
19324 kHz, 23-10/24-10/25-10, 0700 UTC
20346 kHz, 23-10/24-10/25-10, 0700 UTC
20978 kHz, 23-10/24-10/25-10, 0700 UTC
22908 kHz, 23-10/24-10/25-10, 0700 UTC

16294 kHz, 20-10/21-10/22-10/26-10/27-10, 0800 UTC
18276 kHz, 20-10/21-10/22-10/26-10/27-10, 0810 UTC
19426 kHz, 20-10/21-10/22-10/26-10/27-10, 0820 UTC
20297 kHz, 20-10/21-10/22-10/26-10/27-10, 0830 UTC
20893 kHz, 20-10/21-10/22-10/26-10/27-10, 0840 UTC
22874 kHz, 20-10/21-10/22-10/26-10/27-10, 0850 UTC

16158 kHz, 23-10/24-10/25-10, 1100 UTC
18182 kHz, 23-10/24-10/25-10, 1110 UTC
19334 kHz, 23-10/24-10/25-10, 1120 UTC
20147 kHz, 23-10/24-10/25-10, 1130 UTC
20978 kHz, 23-10/24-10/25-10, 1140 UTC
22961 kHz, 23-10/24-10/25-10, 1150 UTC

17424 kHz, 20-10/21-10/22-10/26-10/27-10, 1200 UTC
18450 kHz, 20-10/21-10/22-10/26-10/27-10, 1210 UTC
19085 kHz, 20-10/21-10/22-10/26-10/27-10, 1220 UTC
20153 kHz, 20-10/21-10/22-10/26-10/27-10, 1230 UTC
20897 kHz, 20-10/21-10/22-10/26-10/27-10, 1240 UTC
22873 kHz, 20-10/21-10/22-10/26-10/27-10, 1250 UTC

22908 kHz, 23-10/24-10/25-10, 1300 UTC
20906 kHz, 23-10/24-10/25-10, 1310 UTC
19417 kHz, 23-10/24-10/25-10, 1320 UTC
18320 kHz, 23-10/24-10/25-10, 1330 UTC
16158 kHz, 23-10/24-10/25-10, 1340 UTC
15936 kHz, 23-10/24-10/25-10, 1350 UTC

20987 kHz, 20-10/21-10/22-10/26-10/27-10, 1400 UTC
19334 kHz, 20-10/21-10/22-10/26-10/27-10, 1410 UTC
18482 kHz, 20-10/21-10/22-10/26-10/27-10, 1420 UTC
15925 kHz, 20-10/21-10/22-10/26-10/27-10, 1430 UTC
14434 kHz, 20-10/21-10/22-10/26-10/27-10, 1440 UTC
13984 kHz, 20-10/21-10/22-10/26-10/27-10, 1450 UTC

20073 kHz, 23-10/24-10/25-10, 1500 UTC
19533 kHz, 23-10/24-10/25-10, 1510 UTC
18046 kHz, 23-10/24-10/25-10, 1520 UTC
17447 kHz, 23-10/24-10/25-10, 1530 UTC
14751 kHz, 23-10/24-10/25-10, 1540 UTC
13906 kHz, 23-10/24-10/25-10, 1550 UTC

20879 kHz, 20-10/21-10/22-10/26-10/27-10, 1600 UTC
20156 kHz, 20-10/21-10/22-10/26-10/27-10, 1610 UTC
18571 kHz, 20-10/21-10/22-10/26-10/27-10, 1620 UTC
16286 kHz, 20-10/21-10/22-10/26-10/27-10, 1630 UTC
15836 kHz, 20-10/21-10/22-10/26-10/27-10, 1640 UTC
14976 kHz, 20-10/21-10/22-10/26-10/27-10, 1650 UTC

19324 kHz, 23-10/24-10/25-10, 1700 UTC
18226 kHz, 23-10/24-10/25-10, 1710 UTC
17467 kHz, 23-10/24-10/25-10, 1720 UTC
15874 kHz, 23-10/24-10/25-10, 1730 UTC
14532 kHz, 23-10/24-10/25-10, 1740 UTC
13481 kHz, 23-10/24-10/25-10, 1750 UTC

17457 kHz, 20-10/21-10/22-10/26-10/27-10, 1800 UTC
16256 kHz, 20-10/21-10/22-10/26-10/27-10, 1810 UTC
15863 kHz, 20-10/21-10/22-10/26-10/27-10, 1820 UTC
14784 kHz, 20-10/21-10/22-10/26-10/27-10, 1830 UTC
13396 kHz, 20-10/21-10/22-10/26-10/27-10, 1840 UTC
12162 kHz, 20-10/21-10/22-10/26-10/27-10, 1850 UTC

????? kHz, 23-10/24-10/25-10, 1900 UTC
????? kHz, 23-10/24-10/25-10, 1910 UTC
16294 kHz, 23-10/24-10/25-10, 1920 UTC
14751 kHz, 23-10/24-10/25-10, 1930 UTC
11516 kHz, 23-10/24-10/25-10, 1940 UTC
11132 kHz, 23-10/24-10/25-10, 1950 UTC

14536 kHz, 20-10/21-10/22-10/26-10/27-10, 2000 UTC
13439 kHz, 20-10/21-10/22-10/26-10/27-10, 2010 UTC
12162 kHz, 20-10/21-10/22-10/26-10/27-10, 2020 UTC
11536 kHz, 20-10/21-10/22-10/26-10/27-10, 2030 UTC
11426 kHz, 20-10/21-10/22-10/26-10/27-10, 2040 UTC
10798 kHz, 20-10/21-10/22-10/26-10/27-10, 2050 UTC

13372 kHz, 23-10/24-10/25-10, 2100 UTC
12213 kHz, 23-10/24-10/25-10, 2110 UTC
11432 kHz, 23-10/24-10/25-10, 2120 UTC
10824 kHz, 23-10/24-10/25-10, 2130 UTC
10326 kHz, 23-10/24-10/25-10, 2140 UTC
9045 kHz, 23-10/24-10/25-10, 2150 UTC

X-- Russian intel.

Mode: MFSK-13/MFSK-21

18561 kHz, 23-10, 1327 UTC
16231 kHz, 23-10, 1331 UTC
14376 kHz, 23-10, 1333 UTC
13381 kHz, 23-10, 1337 UTC
12210 kHz, 23-10, 1341 UTC
10176 kHz, 30-10, 1430 UTC
17427 kHz, 31-10, 1230 UTC
16231 kHz, 31-10, 1314 UTC
16151 kHz, 31-10, 1233 UTC
15712 kHz, 31-10, 1236 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14755 kHz, 13-10, 0823 UTC, RFSM-8000
14786 kHz, 13-10, 1025 UTC, RFSM-8000
17440 kHz, 13-10, 1220 UTC, RFSM-8000
18455 kHz, 13-10, 1255 UTC, RFSM-8000
14755 kHz, 14-10, 0822 UTC, RFSM-8000
14755 kHz, 17-10, 0826 UTC, RFSM-8000
14786 kHz, 17-10, 1025 UTC, RFSM-8000
17440 kHz, 17-10, 1220 UTC, RFSM-8000
18455 kHz, 17-10, 1255 UTC, RFSM-8000
14755 kHz, 30-10, 0924 UTC, RFSM-8000
17440 kHz, 30-10, 1321 UTC, RFSM-8000
18455 kHz, 30-10, 1356 UTC, RFSM-8000
14755 kHz, 31-10, 0930 UTC, RFSM-8000
17440 kHz, 31-10, 1326 UTC, RFSM-8000
18455 kHz, 31-10, 1355 UTC, RFSM-8000

Diplomatic stations: Egypt

16027.7 kHz, 15-10, 0644 UTC, SITOR-A 100/170
14356.7 kHz, 16-10, 0612 UTC, SITOR-A 100/170
20056.7 kHz, 23-10, 1323 UTC, SITOR-A 100/170
20055.0 kHz, 23-10, 1325 UTC, CODAN
18051.7 kHz, 28-10, 1039 UTC, SITOR-A 100/170
18050.0 kHz, 28-10, 1039 UTC, CODAN

MFA Cairo clg QQTX: Egyptian embassy Prague
MFA Cairo clg TVVM: Egyptian embassy Kuwait
MFA Cairo clg RCVB: Egyptian embassy Washington
99903: MFA Cairo wkg 66601: Egyptian embassy Washington
MFA Cairo clg XBVC: Egyptian embassy Vienna
99903: MFA Cairo wkg 11106: Egyptian embassy Vienna

Diplomatic stations: North Korea

12450 kHz, 01-10, 1414 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 02-10, 1301 UTC, DPRK-ARQ 600/600 LSB
11950 kHz, 03-10, 1510 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 03-10, 1512 UTC, DPRK-ARQ 600/600 LSB
11045 kHz, 03-10, 1435 UTC, DPRK-ARQ 600/600 LSB

11045 kHz, 03-10, 1442 UTC, DPRK-ARQ 600/600 LSB
11045 kHz, 03-10, 1503 UTC, DPRK-ARQ 600/600 LSB

11045 kHz, 03-10, 1508 UTC, DPRK-ARQ 600/600 LSB

11045 kHz, 03-10, 1516 UTC, DPRK-ARQ 600/600 LSB

Unid DPRK embassy wkg DPRK embassy Moscow
DPRK embassy Rome wkg DPRK embassy Moscow
Unid DPRK embassy wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Bucharest
DPRK embassy Moscow wkg DPRK embassy Warsaw. QSY freq 11058, 7850 kHz
DPRK embassy Moscow wkg DPRK embassy Warsaw. QSY freqs 11058 kHz
DPRK embassy Moscow wkg DPRK embassy Stockholm. QSY freqs 12120, 12450 13120 kHz, Chat: OK SK SK SK
DPRK embassy Moscow wkg DPRK embassy Stockholm. QSY freqs 11951, 11951 kHz
DPRK embassy Moscow wkg DPRK embassy Warsaw. QSY freqs 11058,

11045 kHz, 03-10, 1519 UTC, DPRK-ARQ 1200/600 LSB
17450 kHz, 06-10, 1236 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 10-10, 0659 UTC, DPRK-ARQ 600/600 LSB
12450 kHz, 15-10, 0830 UTC, DPRK-ARQ 600/600 LSB
12450 kHz, 15-10, 0852 UTC, DPRK-ARQ 600/600 LSB
16850 kHz, 15-10, 0855 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 15-10, 1417 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 16-10, 0635 UTC, DPRK ARQ 600/600 LSB

17850 kHz,
DPRK embassy Rome clg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK emassy Rome
DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
Unid DPRK embassy wkg DPRK embassy Moscow
Unid DPRK embassy wkg DPRK embassy Moscow
Unid DPRK embassy wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Cairo
DPRK embassy Moscow wkg DPRK embassy Sofia. Coded traffic. Chat: 4RT
OK SK

14300 kHz, 16-10, 0654 UTC, DPRK ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Vienna
Message 879, 81 groups
30551 96331 20680 58294 97307 06124 20810 57061 24252 30478
61242 08105 70612 42081 05706 10420 81047 06124 20810 55392
32615 69353 92323 15693 53923 26156 93471 29695 98265 55637
50229 33792 75325 37937 92753 35379 93759 93634 43937 59964
29434 67250 16323 13626 56102 04406 49819 68049 45346 63997
18855 07874 12719 79157 36320 07114 19066 46608 18093 14013
60425 73840 38197 30091 10888 92911 52163 82483 73881 93479
24496 36948 44547 25685 41553 35457 74454 77154 64389 24206
95792

14150 kHz, 16-10, 0706 UTC, DPRK ARQ 600/600 LSB
15500 kHz, 16-10, 0806 UTC, DPRK ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Warszaw
DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva.
QSY freq 16320 kHz. Chat: 5RT OK SK

14150 kHz, 17-10, 0702 UTC, DPRK ARQ 600/600 LSB
15500 kHz, 17-10, 0803 UTC, DPRK ARQ 600/600 LSB
18650 kHz, 17-10, 0827 UTC, DPRK ARQ 600/600 LSB
11045 kHz, 17-10, 0832 UTC, DPRK ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow wkg DPRK embassy Bucharest. QSY 15555 kHz
DPRK embassy Moscow wkg DPRK embassy Cairo
DPRK embassy Moscow wkg DPRK embassy Stockholm. QSY freqs 16252,
16373, 12850 kHz

11045 kHz, 17-10, 1204 UTC, DPRK ARQ 600/600 LSB

DPRK embassy Moscow message 3289, 242 groups to DPRK embassy
Stockholm. QSY freqs 12850, 16450 kHz
06144 31927 07156 14977 04100 66149 77041 00629 55134 36269
74436 33743 98436 42243 63320 44461 17439 24313 32951 34152
43436 46443 11554 31957 09438 93725 38187 64366 36685 14728
64436 45743 17377 77003 67102 61845 03671 02618 45464 36975
50354 31743 16144 31979 58597 33103 43861 46543 64526 45247
43124 31527 45052 12948 43102 52043 11233 35542 63244 26133
33154 26324 42613 34365 34337 75143 65223 27414 13722 35543
55114 31076 24544 63509 67513 31430 36438 66018 43890 41553
27136 94365 61361 47834 53342 52375 02362 67832 43865 36177
20475 03837 29174 72633 55230 30801 10517 70743 19790 55339
68636 43543 62211 56738 01665 14925 33645 31132 94141 33294
84443 34319 43871 54387 43874 67729 43652 04729 41244 36626
06382 72643 19204 03824 07743 25259 37754 39643 66455 12443
43174 36261 43173 12702 43190 26760 27024 31920 66602 70202
02676 02702 43190 26760 63436 61303 28356 34397 13062 83542
39404 31246 43140 94364 05312 52457 56707 44369 38565 67078
43693 84109 01276 06570 34262 82012 70302 60820 13436 60472
36694 17515 69343 27146 44492 52042 19439 13541 40114 31730
43664 38762 06436 23916 20150 94316 20766 64366 56536 07666
43665 65320 76664 36656 53030 57942 43144 31254 30436 52343
86355 54381 04240 16955 32948 40424 01695 53294 84042 40143
91202 02006 66032 02965 60032 06659 14431 67218 29703 97578
42297 02965 78422 97039 75784 27138 58492 04314 72745 76379
43693 50403 62100 76232 46303 10148 36233 34387 61074 36643
89581 94876

11045 kHz, 17-10, 1214 UTC, DPRK ARQ 600/600 LSB

DPRK embassy Moscow clg DPRK embassy Stockholm. QSY freqs 16450,
16454, 16550, 17450 kHz

11045 kHz, 17-10, 1315 UTC, DPRK ARQ 600/600 LSB

DPRK embassy Moscow clg DPRK embassy Warszaw. QSY freqs: 11000,

18650 kHz, 17-10, 1413 UTC, DPRK ARQ 600/600 LSB

18655 kHz, 17-10, 1413 UTC, DPRK ARQ 600/600 LSB

14150 kHz, 23-10, 0647 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 23-10, 0727 UTC, DPRK-ARQ 600/600 LSB
11090 kHz, 23-10, 0806 UTC, DPRK-ARQ 1200/600 LSB
17140 kHz, 23-10, 1235 UTC, DPRK-ARQ 600/600 LSB
17450 kHz, 23-10, 1239 UTC, DPRK-ARQ 600/600 LSB
14120 kHz, 23-10, 1240 UTC, DPRK-ARQ 600/600 LSB
14150 kHz, 23-10, 1305 UTC, DPRK-ARQ 600/600 LSB
14100 kHz, 23-10, 1305 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 23-10, 1305 UTC, DPRK-ARQ 600/600 LSB
14150 kHz, 23-10, 1314 UTC, DPRK-ARQ 600/600 LSB
14100 kHz, 23-10, 1315 UTC, DPRK-ARQ 600/600 LSB
14150 kHz, 23-10, 1321 UTC, DPRK-ARQ 600/600 LSB
14222 kHz, 23-10, 1322 UTC, DPRK-ARQ 600/600 LSB
14200 kHz, 23-10, 1332 UTC, DPRK-ARQ 600/600 LSB
14200 kHz, 24-10, 0658 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 24-10, 0700 UTC, DPRK-ARQ 600/600 LSB

17140 kHz, 24-10, 0702 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 24-10, 0705 UTC, DPRK-ARQ 600/600 LSB

14200 kHz, 24-10, 0728 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 24-10, 0730 UTC, DPRK-ARQ 600/600 LSB
14200 kHz, 24-10, 0743 UTC, DPRK-ARQ 600/600 LSB

13300 kHz, 24-10, 0748 UTC, DPRK-ARQ 600/600 LSB
14150 kHz, 24-10, 1312 UTC, DPRK-ARQ 600/600 LSB
11320 kHz, 25-10, 1536 UTC, DPRK-ARQ 600/600 LSB
17140 kHz, 26-10, 0732 UTC, DPRK-ARQ 600/600 LSB
13800 kHz, 26-10, 0735 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 27-10, 1218 UTC, DPRK ARQ 600/600 LSB
17140 kHz, 27-10, 1230 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 27-10, 1231 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 27-10, 1330 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 29-10, 0739 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 30-10, 0628 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 30-10, 0705 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 30-10, 0731 UTC, DPRK ARQ 600/600 LSB

14300 kHz, 30-10, 0737 UTC, DPRK ARQ 600/600 LSB

14300 kHz, 30-10, 0752 UTC, DPRK ARQ 600/600 LSB

16252 kHz, 30-10, 1310 UTC, DPRK ARQ 600/600 LSB
16250 kHz, 30-10, 1321 UTC, DPRK ARQ 1200/600 LSB
14555 kHz, 30-10, 1330 UTC, DPRK ARQ 600/600 LSB
16252 kHz, 30-10, 1343 UTC, DPRK ARQ 600/600 LSB
10960 kHz, 30-10, 1415 UTC, DPRK ARQ 600/600 LSB
11045 kHz, 30-10, 1415 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 31-10, 1234 UTC, DPRK ARQ 600/600 LSB
14300 kHz, 31-10, 1324 UTC, DPRK ARQ 600/600 LSB

11050 kHz

DPRK embassy Moscow wkg DPRK embassy Cairo. Message and chat:
10RT OK SK

DPRK embassy Cairo msgs 42443, 1255, 1256, 737 and 738 to DPRK
embassy Moscow

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

DPRK embassy Moscow wkg DPRK embassy Berlin

Unid DPRK embassy wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Rome

DPRK embassy Rome wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Vienna

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

Unid DPRK embassy wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Bucharest

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

DPRK embassy Moscow wkg DPRK embassy Warszaw

Unid DPRK embassy wkg DPRK embassy Moscow

Unid DPRK embassy wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Prague

DPRK embassy Moscow wkg DPRK embassy Prague. QSY freq 16320 kHz

DPRK embassy Moscow message to DPRK embassy Vienna. QSY
freq 13800 kHz

DPRK embassy Rome wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Bucharest. QSY freq
15555 kHz

DPRK embassy Moscow wkg DPRK embassy Prague. QSY freq 14600 kHz

DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freq 14800 kHz

DPRK embassy Moscow clg DPRK embassy Berlin. QSY freqs 12300,
12700 kHz

DPRK embassy Moscow wkg DPRK embassy Berlin

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

DPRK embassy Moscow wkg DPRK embassy Warszaw

DPRK embassy Moscow wkg DPRK embassy Rome

DPRK embassy Moscow wkg DPRK embassy Berlin

DPRK embassy Moscow wkg DPRK embassy Berlin

DPRK embassy Rome wkg DPRK embassy Moscow

DPRK embassy Moscow clg DPRK embassy Vienna

DPRK embassy Moscow clg DPRK embassy Sofia

DPRK embassy Moscow wkg DPRK embassy Berlin

DPRK embassy Moscow wkg DPRK embassy Sofia

DPRK embassy Moscow wkg DPRK embassy Vienna

DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freqs 12050,
12850, 14800, 18800 kHz

DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freqs 12840,
12850, 14800, 15800, 16800 kHz

DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freqs 12850,
14800 kHz

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

DPRK embassy Rome wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Warszaw

DPRK embassy Moscow clg DPRK embassy Berlin. QSY freq 15555 kHz

DPRK embassy Stockholm wkg DPRK embassy Moscow

DPRK embassy Moscow wkg DPRK embassy Stockholm

DPRK embassy Moscow wkg DPRK embassy Vienna

DPRK embassy Moscow wkg DPRK embassy Sofia. QSY freq 15560 kHz

Diplomatic stations: Russia

16313 kHz, 02-10, 1424 UTC, Serdolik v2

Russian diplo

16313 kHz, 02-10, 1437 UTC, Serdolik v2

Russian diplo

14820 kHz, 02-10, 1529 UTC, MFSK-66

Russian diplo

20374 kHz, 01-10, 1219 UTC, MFSK-6

MFA Moscow clg 231654: Russian embassy Abuja

14824 kHz, 03-10, 1023 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
12152 kHz, 06-10, 0730 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
16188 kHz, 07-10, 0847 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
16060 kHz, 12-10, 0829 UTC, MFSK-6	MFA Moscow, clg 261453: Russian embassy Cairo
17466 kHz, 13-10, 0813 UTC, MFSK-66	Russian diplo
17467 kHz, 13-10, 0814 UTC, Serdolik V2	Russian diplo. Started on top of MFSK-66. At 0815 X06a 616161 on the same freq.
17475 kHz, 13-10, 0818 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17467 kHz, 13-10, 0820 UTC, Serdolik V2	Russian diplo. Test. X06b 116611 on the same freq.
14689 kHz, 13-10, 0921 UTC, Serdolik V2	Russian diplo. Selcal
16117 kHz, 13-10, 0927 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19274 kHz, 13-10, 0933 UTC, Serdolik V2	Russian diplo
13967 kHz, 14-10, 0953 UTC, Serdolik v2	Russian diplo. Selcal
13967 kHz, 14-10, 0957 UTC, Serdolik v2	Russian diplo. Selcal
13967 kHz, 14-10, 1000 UTC, Serdolik v2	Russian diplo. Selcal
13967 kHz, 14-10, 1002 UTC, Serdolik v2	Russian diplo. Selcal
13967 kHz, 14-10, 1005 UTC, Serdolik v2	Russian diplo. Selcal
13963 kHz, 14-10, 1017 UTC, Serdolik v2	Russian diplo. Test
13963 kHz, 14-10, 1037 UTC, Serdolik v2	Russian diplo. Test
13963 kHz, 14-10, 1040 UTC, Serdolik v2	Russian diplo. Test
13963 kHz, 14-10, 1056 UTC, Serdolik v2	Russian diplo
19481 kHz, 17-10, 0956 UTC, Serdolik v2	Russian diplo. Selcal
19481 kHz, 17-10, 1002 UTC, Serdolik v2	Russian diplo. Selcal
19481 kHz, 17-10, 1005 UTC, Serdolik v2	Russian diplo. Selcal
19481 kHz, 17-10, 1009 UTC, Serdolik v2	Russian diplo. Selcal
19479 kHz, 17-10, 1010 UTC, Serdolik v2	Russian diplo
19479 kHz, 17-10, 1026 UTC, Serdolik v2	Russian diplo
13954 kHz, 17-10, 0828 UTC, MFSK-6	MFA Moscow clg 213546: Russian embassy Islamabad
18325 kHz, 17-10, 0957 UTC, Serdolik v2	Russian diplo. Selcal
16304 kHz, 17-10, 0957 UTC, Serdolik v2	Russian diplo. Selcal
18325 kHz, 17-10, 1000 UTC, Serdolik v2	Russian diplo. Selcal
16304 kHz, 17-10, 1001 UTC, Serdolik v2	Russian diplo. Selcal
18325 kHz, 17-10, 1003 UTC, Serdolik v2	Russian diplo. Selcal
16304 kHz, 17-10, 1004 UTC, Serdolik v2	Russian diplo. Selcal
18325 kHz, 17-10, 1006 UTC, Serdolik v2	Russian diplo. Selcal
16304 kHz, 17-10, 1008 UTC, Serdolik v2	Russian diplo. Selcal
13547 kHz, 17-10, 1020 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
14698 kHz, 17-10, 1259 UTC, MFSK-66	Russian diplo
11515 kHz, 23-10, 0703 UTC, MFSK-6	MFA Moscow clg 521634: Russian embassy Bucharest
13843 kHz, 23-10, 0803 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
16060 kHz, 26-10, 0923 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
16317 kHz, 28-10, 1148 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat



X06 for Tel Aviv

Diplomatic stations: Tunisia

16285 kHz, 30-10, 1020 UTC, Mil-STD-188-141A USB	STAT16: Unid Tunisian embassy clg	STAT155: MFA Tunis
12140 kHz, 31-10, 1043 UTC, Mil-STD-188-141A USB	STAT24: Tunisian embassy Rome sounding	

UTILITY ROUND-UP

Unid stations

11583 kHz, 28-10, 1110 UTC, MFSK-11	Unid station
17429 kHz, 30-10, 1115 UTC, MFSK-11	Unid station

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

14556 kHz, 03-10, 1302, 1309, 1316, 1323. 1331, 1337, 1344, 1353, 1359, 1407, 1427, 1444, 1454, 1519, 1532, 1539, 1600, 1615, 1622 UTC (stopped monitoring at 1630z)

Navy Moscow kept on calling navy vessel RMOK for QSA.
VVV RMOK RMOK RMOK DE RIW RIW QSA? K

14556 kHz, 03-10, 1503 UTC

III UCBC5 UCBC5 UCBC5 DE RIW RIW QSA 3 QRV K

14556 kHz, 03-10, 1507 UTC

RIW QSL 609 k

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-FIN	Ary Boender via remote rx Finland
AB-G	Ary Boender via remote rx UK
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-IRQ	Ary Boender via remote rx Iraq
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
AB-USA	Ary Boender via remote rx USA
Dan	Daniel LU5EMM, Argentina
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
JPL	JPL, NB, Canada (and various remote rx)
Moon	Moonlight (Dave AU)
PY	Pierre Ynard, France and via remote rx
Ringo	Ringo S.
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Subilo	Subilo
TJ	Trond Jacobsen, Norway

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	28-10	1110	11583	Tue	Unid station	MFSK-11	(AB)
---	30-10	1115	17429	Thu	Unid station	MFSK-11	(AB)
BUL	13-10	0823	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-10	1025	14786	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-10	1220	17440	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	13-10	1255	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-10	0822	14755	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-10	0826	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-10	1025	14786	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-10	1220	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-10	1255	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	30-10	0924	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	30-10	1321	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	30-10	1356	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	31-10	0930	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	31-10	1326	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	31-10	1355	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
E06	28-10	0858	10755	Tue	975 (R2h17m) 08331 85008 10599 ... 85203 00122 37000 975 (R10m45s) 85008 10599 13871 ... 00412 78921 77480 5 off	USB	(AB/PY)
E07	2-10	1000	17456	Thu	428 428 428 000	USB	(HFD)
E07	2-10	1020	16291	Thu	428 428 428 000	USB	(HFD)
E07	3-10	1500	17461	Fri	413 413 413 1 175 99 175 99 79422 21899 59215 ... 36189 33335 77936 000 000	USB	(AB/HFD)
E07	3-10	1520	16161	Fri	413 413 413 1 175 99 175 99 79422 21899 59215 ... 36189 33335 77936 000 000	USB	(AB/HFD)
E07	3-10	1540	14361	Fri	413 413 413 1 175 99 175 99 79422 21899 59215 ... 36189 33335 77936 000 000	USB	(AB/HFD)
E07	4-10	1000	17456	Sat	428 428 428 000	USB	(AB)
E07	4-10	1020	16291	Sat	428 428 428 000	USB	(AB)
E07	7-10	1500	17461	Tue	413 413 413 000	USB	(AB)
E07	7-10	1520	16161	Tue	413 413 413 000	USB	(AB)
E07	9-10	1000	17456	Thu	428 428 428 1 1763 106 1763 106 02729 19973 69737 ... 08826 60492 99994 000 000	USB	(AB/HFD)
E07	9-10	1020	14893	Thu	428 428 428 1 1763 106 1763 106 02729 19973 69737 ... 08826 60492 99994 000 000	USB	(AB/HFD)
E07	9-10	1020	16291	Thu	428 428 428 1 1763 106 1763 106 02729 19973 69737 ... 08826 60492 99994 000 000	USB	(AB/HFD)
E07	10-10	1500	17461	Fri	413 413 413 000	USB	(AB)
E07	10-10	1520	16161	Fri	413 413 413 000	USB	(AB)
E07	11-10	1000	17456	Sat	428 428 428 1 1763 106 1763 106 02729 19973 69737 ... 08826 60492 99994 000 000	USB	(AB)
E07	11-10	1020	14893	Sat	428 428 428 1 1763 106 1763 106 02729 19973 69737 ... 08826 60492 99994 000 000	USB	(AB)
E07	11-10	1020	16291	Sat	428 428 428 1 1763 106 1763 106 02729 19973 69737 ... 08826 60492 99994 000 000	USB	(AB)
E07	14-10	1500	17461	Tue	413 413 413 1 5916 181 5916 181 47664 83461 11314 ... 08094 67910 89235 000 000	USB	(AB)
E07	14-10	1520	16161	Tue	413 413 413 1 5916 181 5916 181 47664 83461 11314 ... 08094 67910 89235 000 000	USB	(AB)

E07	14-10	1540	14361	Tue	413 413 413 1 5916 181 5916 181 47664 83461 11314 ... 08094 67910 89235 000 000	USB	(AB)
E07	16-10	1000	17456	Thu	428 428 428 000	USB	(AB)
E07	16-10	1020	16291	Thu	428 428 428 000	USB	(AB)
E07	17-10	1500	17461	Fri	413 413 413 1 5916 181 5916 181 47664 83461 11314 ... 08094 67910 89235 000 000	USB	(AB)
E07	17-10	1520	16161	Fri	413 413 413 1 5916 181 5916 181 47664 83461 11314 ... 08094 67910 89235 000 000	USB	(AB)
E07	17-10	1540	14361	Fri	413 413 413 1 5916 181 5916 181 47664 83461 11314 ... 08094 67910 89235 000 000	USB	(AB)
E07	18-10	1000	17456	Sat	428 428 428 000	USB	(AB)
E07	18-10	1020	16291	Sat	428 428 428 000	USB	(AB)
E07	21-10	1500	17461	Tue	413 413 413 000	USB	(AB)
E07	21-10	1520	16161	Tue	413 413 413 000	USB	(AB)
E07	23-10	1000	17456	Thu	428 428 428 1 3019 99 3019 99 42433 62164 96148 ... 70874 00602 66488 000 000	USB	(AB)
E07	23-10	1020	16291	Thu	428 428 428 1 3019 99 3019 99 42433 62164 96148 ... 70874 00602 66488 000 000	USB	(AB)
E07	23-10	1040	14893	Thu	428 428 428 1 3019 99 3019 99 42433 62164 96148 ... 70874 00602 66488 000 000	USB	(AB)
E07	24-10	1500	17461	Fri	413 413 413 000	USB	(AB)
E07	24-10	1520	16161	Fri	413 413 413 000	USB	(AB)
E07	25-10	1000	17456	Sat	428 428 428 1 3019 99 3019 99 42433 62164 96148 ... 70874 00602 66488 000 000	USB	(AB)
E07	25-10	1020	16291	Sat	428 428 428 1 3019 99 3019 99 42433 62164 96148 ... 70874 00602 66488 000 000	USB	(AB)
E07	25-10	1040	14893	Sat	428 428 428 1 3019 99 3019 99 42433 62164 96148 ... 70874 00602 66488 000 000	USB	(AB)
E07	28-10	1500	17461	Tue	413 413 413 1 860 183 860 183 44006 41081 82937 ... 94980 65702 18535 000 000	USB	(AB)
E07	28-10	1520	16161	Tue	413 413 413 1 860 183 860 183 44006 41081 82937 ... 94980 65702 18535 000 000	USB	(AB)
E07	28-10	1540	14361	Tue	413 413 413 1 860 183 860 183 44006 41081 82937 ... 94980 65702 18535 000 000	USB	(AB)
E07	30-10	1000	17456	Thu	428 428 428 000	USB	(AB)
E07	30-10	1020	16291	Thu	428 428 428 000	USB	(AB)
E07	31-10	1500	17461	Fri	413 413 413 1 860 183 860 183 44006 41081 82937 ... 94980 65702 18535 000 000	USB	(AB)
E07	31-10	1520	16161	Fri	413 413 413 1 860 183 860 183 44006 41081 82937 ... 94980 65702 18535 000 000	USB	(AB)
E07	31-10	1540	14361	Fri	413 413 413 1 860 183 860 183 44006 41081 82937 ... 94980 65702 18535 000 000	USB	(AB)
E11	1-10	0600	25839	Wed	940/00 Out	USB	(AB)
E11	1-10	0645	10800	Wed	416/00 Out	USB	(AB-G)
E11	1-10	0715	19515	Wed	754/00 Out	USB	(AB-POL)
E11	1-10	0820	19184	Wed	138/00 Out	USB	(AB-POL)
E11	1-10	0845	12202	Wed	714/00 Out	USB	(AB)
E11	1-10	0900	13117	Wed	536/00 Out	USB	(AB)
E11	1-10	1045	12385	Wed	692/00 Out	USB	(AB)
E11	1-10	1205	9399	Wed	466/00 Out	USB	(AB)
E11	1-10	1610	4181	Wed	395/00 Out	USB	(AB)
E11	1-10	1715	6923	Wed	974/00 Out	USB	(AB)
E11	2-10	0720	9446	Thu	436/00 Out	USB	(AB)
E11	2-10	0745	22995	Thu	227/00 Out	USB	(AB-POL)
E11	2-10	0845	18168	Thu	150/00 Out	USB	(AB)
E11	2-10	0930	6940	Thu	276/00 Out	USB	(AB)
E11	2-10	1230	12530	Thu	337/00 Out	USB	(AB-POL)
E11	2-10	1300	5371	Thu	313/00 Out	USB	(AB)

E11	2-10	1530	10330	Thu	261/00 Out	USB	(AB)
E11	2-10	1900	7317	Thu	644/00 Out	USB	(AB)
E11	2-10	2000	5737	Thu	521/00 Out	USB	
E11	3-10	0600	8680	Fri	352/00 Out	USB	(AB)
E11	3-10	0700	8180	Fri	579/00 Out	USB	(AB)
E11	3-10	0720	9446	Fri	430/00 Out	USB	(AB)
E11	3-10	0830	20170	Fri	183/00 Out	USB	(AB-POL)
E11	3-10	1000	9951	Fri	309/00 Out	USB	(AB)
E11	3-10	1715	6923	Fri	974/00 Out	USB	(AB)
E11	3-10	1815	11116	Fri	926/00 Out	USB	(AB)
E11	3-10	1910	8530	Fri	618/00 Out	USB	(AB)
E11	4-10	0700	9079	Sat	492/00 Out	USB	(AB)
E11	4-10	1430	14972	Sat	914/00 Out	USB	(AB)
E11	4-10	1610	4181	Sat	396/00 Out	USB	(AB)
E11	4-10	1645	4505	Sat	367/00 Out	USB	(AB)
E11	4-10	1727	4181	Sat	396/00 Out. Unscheduled	USB	(PY)
E11	4-10	1727	4505	Sat	367/00 Out. Unscheduled. Normal signal for 2m40s then very distorted for the last 35s	USB	(PY)
E11	5-10	0600	8680	Sun	353/00 Out	USB	(AB)
E11	5-10	0700	9079	Sun	491/00 Out	USB	(AB)
E11	5-10	1605	5176	Sun	237/00 Out	USB	(AB)
E11	5-10	1645	4505	Sun	360/00 Out	USB	(AB)
E11	5-10	1745	13470	Sun	247/00 Out	USB	(AB)
E11	5-10	1815	11116	Sun	922/00 Out	USB	(AB)
E11	5-10	1910	8530	Sun	611/00 Out	USB	(AB)
E11	5-10	2000	5737	Sun	527/00 Out	USB	(AB)
E11	6-10	0600	25839	Mon	944/00 Out	USB	(AB-POL)
E11	6-10	0645	10800	Mon	410/00 Out	USB	(AB)
E11	6-10	0745	10213	Mon	260/00 Out	USB	(AB/HFD)
E11	6-10	0830	20170	Mon	182/00 Out	USB	(AB)
E11	6-10	0900	13117	Mon	538/00 Out	USB	(AB)
E11	6-10	1300	5371	Mon	311/00 Out	USB	(AB/HFD)
E11	6-10	1745	13470	Mon	247/00 Out	USB	(AB)
E11	6-10	1900	7317	Mon	646/00 Out	USB	(AB)
E11	7-10	0645	13470	Tue	515/00 Out	USB	(AB)
E11	7-10	0700	8180	Tue	576/00 Out	USB	(AB)
E11	7-10	0707	8180	Tue	576/00 Out. Unscheduled	USB	(AB)
E11	7-10	0715	14666	Tue	637/00 Out	USB	(AB/TJ)
E11	7-10	1000	9951	Tue	308/00 Out	USB	(AB)
E11	7-10	1205	9399	Tue	461/00 Out	USB	(AB)
E11	7-10	1230	12530	Tue	333/00 Out	USB	(AB/HFD)
E11	7-10	1430	14972	Tue	914/00 Out	USB	(AB)
E11	7-10	1605	5176	Tue	237/00 Out	USB	(AB)

E11	8-10	0600	25839	Wed	942/00 Out	USB	(AB-POL)
E11	8-10	0645	10800	Wed	418/00 Out	USB	(AB-G)
E11	8-10	0745	17410	Wed	342/00 Out	USB	(AB)
E11	8-10	0900	13117	Wed	534/00 Out	USB	(AB)
E11	8-10	0930	6940	Wed	273/00 Out	USB	(AB-POL)
E11	8-10	1205	9399	Wed	464/00 Out	USB	(AB)
E11	9-10	0645	13470	Thu	517/00 Out	USB	(AB)
E11	9-10	0720	9446	Thu	431/00 Out	USB	(AB)
E11	9-10	0930	6940	Thu	270/00 Out	USB	(AB)
E11	9-10	1230	12530	Thu	331/00 Out	USB	(AB-POL)
E11	9-10	1300	5371	Thu	319/00 Out	USB	(AB-POL)
E11	9-10	1530	10330	Thu	264/00 Out	USB	(AB)
E11	9-10	1900	7317	Thu	644/00 Out	USB	(AB)
E11	10-10	0600	8680	Fri	354/00 Out	USB	(AB)
E11	10-10	0700	8180	Fri	574/00 Out	USB	(AB)
E11	10-10	0715	14666	Fri	634/00 out	USB	(AB)
E11	10-10	0720	9446	Fri	438/00 Out	USB	(AB)
E11	10-10	0745	17410	Fri	348/00 Out	USB	(AB)
E11	10-10	0830	20170	Fri	180/00 Out	USB	(AB-POL)
E11	10-10	1000	9951	Fri	308/00 Out	USB	(AB)
E11	11-10	0700	9079	Sat	497/00 Out	USB	(AB)
E11	11-10	1430	14972	Sat	917/00 Out	USB	(AB)
E11	11-10	1645	4505	Sat	365/00 Out	USB	(AB)
E11	12-10	0600	8680	Sun	352/00 Out	USB	(AB)
E11	12-10	0700	9079	Sun	491/00 Out	USB	(AB)
E11	12-10	1605	5176	Sun	237/00 Out	USB	(AB)
E11	12-10	1645	4505	Sun	364/00 Out	USB	(AB)
E11	12-10	1745	13470	Sun	249/00 Out	USB	(AB)
E11	13-10	0600	25839	Mon	945/00 Out	USB	(AB-POL)
E11	13-10	0715	19515	Mon	759/00 Out	USB	(AB-POL)
E11	13-10	0830	20170	Mon	181/00 Out	USB	(AB-POL)
E11	13-10	0845	12202	Mon	718/00 Out	USB	(AB)
E11	13-10	1045	12385	Mon	698/00 Out	USB	(AB)
E11	13-10	1300	5371	Mon	316/00 Out	USB	(AB)
E11	13-10	1900	7317	Mon	648/00 Out	USB	(AB)
E11	14-10	0700	8180	Tue	574/00 Out	USB	(AB)
E11	14-10	0745	22995	Tue	223/00 Out	USB	(AB)
E11	14-10	0820	19184	Tue	134/00 Out	USB	(AB)
E11	14-10	0845	18168	Tue	155/00 Out	USB	(AB)
E11	14-10	1205	9399	Tue	465/00 Out	USB	(AB)
E11	14-10	1230	12530	Tue	331/00 Out	USB	(AB)
E11	15-10	0600	25839	Wed	940/00 Out	USB	(AB-POL)

E11	15-10	0715	19515	Wed	752/00 Out	USB	(AB-POL)
E11	15-10	0745	17410	Wed	346/00 Out	USB	(AB)
E11	15-10	0820	19184	Wed	138/00 Out	USB	(AB-POL)
E11	15-10	0845	12202	Wed	711/00 Out	USB	(AB)
E11	15-10	0930	6940	Wed	276/00 Out	USB	(AB-POL)
E11	15-10	1045	12385	Wed	694/00 Out	USB	(AB)
E11	15-10	1205	9399	Wed	464/00 Out	USB	(AB)
E11	15-10	1610	4181	Wed	393/00 Out	USB	(AB)
E11	15-10	1715	6923	Wed	970/00 Out	USB	(AB)
E11	16-10	0720	9446	Thu	436/00 Out	USB	(AB)
E11	16-10	0745	22995	Thu	221/00 Out	USB	(AB-POL)
E11	16-10	0845	18168	Thu	157/00 Out	USB	(AB)
E11	16-10	0930	6940	Thu	277/00 Out	USB	(AB)
E11	16-10	1230	12530	Thu	330/00 Out	USB	(AB-POL)
E11	16-10	1300	5371	Thu	310/00 Out	USB	(AB-POL)
E11	16-10	1900	7317	Thu	648/00 Out	USB	(AB)
E11	16-10	2000	5737	Thu	522/00 Out	USB	(AB)
E11	17-10	0600	8680	Fri	359/00 Out	USB	(AB)
E11	17-10	0700	8180	Fri	570/00 Out	USB	(AB)
E11	17-10	0720	9446	Fri	436/00 Out	USB	(AB)
E11	17-10	0745	17410	Fri	344/00 Out	USB	(AB)
E11	17-10	0830	20170	Fri	189/00 Out	USB	(AB)
E11	17-10	1715	6923	Fri	977//00 Out	USB	(AB)
E11	17-10	1815	11116	Fri	924/00 Out	USB	(AB)
E11	17-10	1910	8530	Fri	616/00 Out	USB	(AB)
E11	18-10	0700	9079	Sat	496/00 Out	USB	(AB)
E11	18-10	1610	4181	Sat	395/00 Out	USB	(AB)
E11	18-10	1645	4505	Sat	360/00 Out	USB	(AB)
E11	19-10	0600	8680	Sun	350/00 Out	USB	(AB)
E11	19-10	0700	9079	Sun	495/00 Out	USB	(AB)
E11	19-10	1645	4505	Sun	366/00 Out	USB	(AB)
E11	19-10	1815	11116	Sun	927/00 Out	USB	(AB)
E11	19-10	1910	8530	Sun	617/00 Out	USB	(AB)
E11	19-10	2000	5737	Sun	522/00 Out	USB	(AB)
E11	20-10	0315	12630	Mon	259/00 Out	USB	(AB)
E11	20-10	0645	10800	Mon	415/00 Out	USB	(AB)
E11	20-10	0715	19515	Mon	752/00 Out	USB	(AB-POL)
E11	20-10	0745	10213	Mon	267/00 Out	USB	(AB)
E11	20-10	0830	20170	Mon	189/00 Out	USB	(AB-POL)
E11	20-10	0845	12202	Mon	711/00 Out	USB	(AB)
E11	20-10	0900	13117	Mon	538/00Out	USB	(AB)
E11	20-10	1045	12385	Mon	697/00 Out	USB	(AB)

E11	20-10	1745	13470	Mon	242/00 Out	USB	(AB)
E11	21-10	0645	13470	Tue	518/00 Out	USB	(AB)
E11	21-10	0715	14666	Tue	636/00 Out	USB	(AB)
E11	21-10	0745	22995	Tue	220/00 Out	USB	(AB)
E11	21-10	0820	19184	Tue	138/00 Out	USB	(AB)
E11	21-10	0845	18168	Tue	155/00 Out	USB	(AB)
E11	21-10	1000	9951	Tue	307/00 Out	USB	(AB)
E11	21-10	1230	12530	Tue	330/00 Out	USB	(AB)
E11	21-10	1430	14972	Tue	910/00 Out	USB	(AB)
E11	21-10	1605	5176	Tue	230/00 Out	USB	(AB)
E11	22-10	0645	10800	Wed	418/00 Out	USB	(AB-G)
E11	22-10	0715	19515	Wed	752/00 Out	USB	(AB-POL)
E11	22-10	0745	17410	Wed	340/00 Out	USB	(AB)
E11	22-10	0820	19184	Wed	132/00 Out	USB	(AB-POL)
E11	22-10	0845	12202	Wed	713/00 Out	USB	(AB)
E11	22-10	0900	13117	Wed	533/00 Out	USB	(AB)
E11	22-10	0930	6940	Wed	270/00 Out	USB	(AB-POL)
E11	22-10	1045	12385	Wed	692/00 Out	USB	(AB)
E11	22-10	1610	4181	Wed	390/00 Out	USB	(AB)
E11	22-10	1715	6923	Wed	972/00 Out	USB	(AB)
E11	23-10	0645	13470	Thu	512/00 Out	USB	(AB)
E11	23-10	0745	22995	Thu	220/00 Out	USB	(AB-POL)
E11	23-10	0845	18168	Thu	155/00 Out	USB	(AB)
E11	23-10	0930	6940	Thu	275/00 Out	USB	(AB)
E11	23-10	1230	12530	Thu	330/00 Out	USB	(AB)
E11	23-10	1530	10330	Thu	262/00 Out	USB	(AB)
E11	23-10	2000	5737	Thu	528/00 Out	USB	(AB)
E11	24-10	0715	14666	Fri	637/00 Out	USB	(AB)
E11	24-10	0745	17410	Fri	342/00 Out	USB	(AB)
E11	24-10	0830	20170	Fri	181/00 Out	USB	(AB-G)
E11	24-10	1000	9951	Fri	304/00 Out	USB	(AB)
E11	24-10	1715	6923	Fri	970/00 Out	USB	(AB)
E11	24-10	1815	11116	Fri	920/00 Out	USB	(AB)
E11	24-10	1910	8530	Fri	618/00 Out	USB	(AB)
E11	25-10	1430	14972	Sat	915/00 Out	USB	(AB)
E11	25-10	1610	4181	Sat	399/00 Out	USB	(AB)
E11	26-10	1605	5176	Sun	231/00 Out	USB	(AB)
E11	26-10	1745	13470	Sun	247/00 Out	USB	(AB)
E11	26-10	1815	11116	Sun	927/00 Out	USB	(AB)
E11	26-10	1910	8530	Sun	610/00 Out	USB	(AB)
E11	26-10	2000	5737	Sun	525/00 Out	USB	(AB)
E11	27-10	0600	25839	Mon	945/00 Out	USB	(AB-POL)

E11	27-10	0645	10800	Mon	414/00 Out	USB	(AB)
E11	27-10	0715	19515	Mon	751/00 Out	USB	(AB-POL)
E11	27-10	0745	10213	Mon	266/00 Out	USB	(AB)
E11	27-10	0845	12202	Mon	714/00 Out	USB	(AB)
E11	27-10	0900	13117	Mon	530/00 Out	USB	(AB)
E11	27-10	1045	12385	Mon	698/00 Out	USB	(AB)
E11	27-10	1300	5371	Mon	310/00 Out	USB	(AB)
E11	27-10	1745	13470	Mon	244/00 Out	USB	(AB)
E11	27-10	1900	7317	Mon	649/00 Out	USB	(AB)
E11	28-10	0645	13470	Tue	519/00 Out	USB	(AB)
E11	28-10	0700	8180	Tue	573/00 Out	USB	(AB)
E11	28-10	0715	14666	Tue	633/00 Out	USB	(AB)
E11	28-10	0745	22995	Tue	227/00 Out	USB	(AB)
E11	28-10	0820	19184	Tue	131/00 Out	USB	(AB)
E11	28-10	0845	18168	Tue	155/00 Out	USB	(AB)
E11	28-10	1000	9951	Tue	307/00 Out	USB	(AB)
E11	28-10	1205	9399	Tue	460/00 Out	USB	(AB)
E11	28-10	1430	14972	Tue	914/00 Out	USB	(AB)
E11	28-10	1605	5176	Tue	231/00 Out	USB	(AB)
E11	29-10	0600	25839	Wed	942/00 Out	USB	(AB-POL)
E11	29-10	0645	10800	Wed	410/00 Out	USB	(AB-G)
E11	29-10	0715	19515	Wed	757/00 Out	USB	(AB-POL)
E11	29-10	0745	17410	Wed	346/00 Out	USB	(AB)
E11	29-10	0820	19184	Wed	132/00 Out	USB	(AB-POL)
E11	29-10	0845	12202	Wed	714/00 Out	USB	(AB)
E11	29-10	0900	13117	Wed	535/00 Out	USB	(AB)
E11	29-10	1045	12385	Wed	690/00 Out	USB	(AB)
E11	29-10	1205	9399	Wed	461/00 Out	USB	(AB)
E11	29-10	1610	4181	Wed	396/00 Out	USB	(AB)
E11	29-10	1715	6923	Wed	977/00 Out	USB	(AB)
E11	30-10	0645	13470	Thu	518/00 Out	USB	(AB)
E11	30-10	0720	9446	Thu	431/00 Out	USB	(AB)
E11	30-10	0745	22995	Thu	229/00 Out	USB	(AB-POL)
E11	30-10	0845	18168	Thu	156/00 Out	USB	(AB)
E11	30-10	1300	5371	Thu	314/00 Out	USB	(AB)
E11	30-10	1530	10330	Thu	261/00 Out	USB	(AB)
E11	30-10	1900	7317	Thu	649/00 Out	USB	(AB)
E11	30-10	2000	5737	Thu	528/00 Out	USB	(AB)
E11	31-10	0600	8680	Fri	359/00 Out	USB	(AB)
E11	31-10	0700	8180	Fri	570/00 Out	USB	(AB)
E11	31-10	0715	14666	Fri	636/00 Out	USB	(AB)
E11	31-10	0720	9446	Fri	436/00 Out	USB	(AB)

E11	31-10	0745	17410	Fri	346/00 Out	USB	(AB)
E11	31-10	1000	9951	Fri	374/00 Out	USB	(AB)
E11	31-10	1715	6923	Fri	974/00 Out	USB	(AB)
E11	31-10	1815	11116	Fri	922/00 Out	USB	(AB)
E11	31-10	1910	8530	Fri	613/00 Out	USB	(AB)
E11a	1-10	0745	17410	Wed	347/33 Attention 54810 19514 40247 ... 42657 49590 99236 Attention (msg rptd) Out	USB	(AB)
E11a	3-10	0745	17410	Fri	347/33 Attention 54810 19514 40247 ... 42657 49590 99236 Attention (msg rptd) Out	USB	(AB)
E11a	6-10	0715	19515	Mon	752/34 Attention 77855 72948 13580 ... 61439 19604 39399 Attention (msg rptd) Out	USB	(AB-POL)
E11a	6-10	0845	12202	Mon	718/38 Attention 32855 46650 49349 ... 05876 60115 42247 Attention (msg rptd) Out	USB	(AB)
E11a	6-10	1045	12385	Mon	690/26 Attention 01998 84430 03789 ... 09435 14809 47528 Attention (msg rptd) Out	USB	(AB)
E11a	7-10	0745	22995	Tue	225/33 Attention 20555 23834 62162 ... 36402 85063 66619 Attention (msg rptd) Out	USB	(AB-POL)
E11a	7-10	0820	19184	Tue	135/40 Attention 10713 56018 98770 ... 33057 41677 29985 Attention (msg rptd) Out	USB	(AB)
E11a	7-10	0845	18168	Tue	150/38 Attention 54015 92930 38354 ... 86660 56727 44167 Attention (msg rptd) Out	USB	(AB)
E11a	8-10	0715	19515	Wed	752/34 Attention 77855 72948 13580 ... 61439 19604 39399 Attention (msg rptd) Out	USB	(AB-POL)
E11a	8-10	0820	19184	Wed	135/40 Attention 10713 56018 98770 ... 33057 41677 29985 Attention (msg rptd) Out	USB	(AB-POL)
E11a	8-10	0845	12202	Wed	718/38 Attention 32855 46650 49349 ... 05876 60115 42247 Attention (msg rptd) Out	USB	(AB)
E11a	8-10	1045	12385	Wed	690/26 Attention 01998 84430 03789 ... 09435 14809 47528 Attention (msg rptd) Out	USB	(AB)
E11a	8-10	1610	4181	Wed	391/38 Attention 86646 92573 28639 ... 25889 78977 66755 Attention (msg rptd) Out	USB	(AB)
E11a	8-10	1715	6923	Wed	977/36 Attention 03095 35089 49165 ... 66113 64627 66006 Attention (msg rptd) Out	USB	(AB)
E11a	9-10	0745	22995	Thu	225/33 Attention 20555 23834 62162 ... 36402 85063 66619 Attention (msg rptd) Out	USB	(AB-POL)
E11a	9-10	0845	18168	Thu	150/38 Attention 54015 92930 38354 ... 86660 56727 44167 Attention (msg rptd) Out	USB	(AB)
E11a	9-10	2000	5737	Thu	520/36 Attention 13584 99277 99481 ... 81294 29721 83148 Attention (msg rptd) Out	USB	(AB)
E11a	10-10	1715	6923	Fri	977/36 Attention 03095 35089 49165 ... 66113 64627 66006 Attention (msg rptd) Out	USB	(AB)
E11a	10-10	1815	11116	Fri	920/32 Attention 17775 13796 33929 ... 15763 29851 36653 Attention (msg rptd) Out	USB	(AB)
E11a	10-10	1910	8530	Fri	613/34 Attention 36989 74091 12804 ... 85716 18211 83927 Attention (msg rptd) Out	USB	(AB)
E11a	11-10	1610	4181	Sat	391/38 Attention 86646 92573 28639 ... 25889 78977 66755 Attention (msg rptd) Out	USB	(AB)
E11a	12-10	1815	11116	Sun	920/32 Attention 17775 13796 33929 ... 15763 29851 36653 Attention (msg rptd) Out	USB	(AB)
E11a	12-10	1910	8530	Sun	613/34 Attention 36989 74091 12804 ... 85716 18211 83927 Attention (msg rptd) Out	USB	(AB)
E11a	12-10	2000	5737	Sun	520/36 Attention 13584 99277 99481 ... 81294 29721 83148 Attention (msg rptd) Out	USB	(AB)
E11a	13-10	0315	12630	Mon	251/36 Attention 32749 18303 77949 ... 32222 33246 55883 Attention (msg rptd) Out	USB	(Ringo)
E11a	13-10	0645	10800	Mon	411/34 Attention 17732 33188 41754 ... 97485 76520 58544 Attention (msg rptd) Out	USB	(AB)
E11a	13-10	0745	10213	Mon	264/38 Attention 05782 78861 04429 ... 59771 21685 03701 Attention (msg rptd) Out	USB	(AB)
E11a	13-10	0900	13117	Mon	536/38 Attention 87951 46088 14996 ... 24539 75813 80545 Attention (msg rptd) Out	USB	(AB)
E11a	13-10	1745	13470	Mon	247/31 Attention 92845 02378 14577 ... 58957 47423 21937 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	0645	13470	Tue	518/32 Attention 75095 85323 92151 ... 23383 69366 10129 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	0715	14666	Tue	630/35 Attention 32966 17362 00203 ... 30168 62663 71408 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	1000	9951	Tue	308/21 Attention 31020 65076 54639 ... 27927 58131 91121 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	1430	14972	Tue	911/34 Attention 07175 52641 78504 ... 34210 60262 78156 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	1605	5176	Tue	236/31 Attention 88116 66883 17024 ... 32395 60497 61825 Attention (msg rptd) Out	USB	(AB)
E11a	15-10	0315	12630	Wed	251/36 Attention 32749 18303 77949 ... 32222 33246 55883 Attention (msg rptd) Out	USB	(TM)
E11a	15-10	0645	10800	Wed	411/34 Attention 17732 33188 41754 ... 97485 76520 58544 Attention (msg rptd) Out	USB	(AB-G)
E11a	15-10	0900	13117	Wed	536/38 Attention 87951 46088 14996 ... 24539 75813 80545 Attention (msg rptd) Out	USB	(AB)

E11a	16-10	0645	13470	Thu	518/32 Attention 75095 85323 92151 ... 23383 69366 10129 Attention (msg rptd) Out	USB	(AB)
E11a	16-10	1530	10330	Thu	264/38 Attention 05782 78861 04429 ... 59771 21685 03701 Attention (msg rptd) Out	USB	(AB)
E11a	17-10	0715	14666	Fri	630/35 Attention 32966 17362 00203 ... 30168 62663 71408 Attention (msg rptd) Out	USB	(AB)
E11a	17-10	1000	9951	Fri	308/21 Attention 31020 65076 54639 ... 27927 58131 91121 Attention (msg rptd) Out	USB	(AB)
E11a	18-10	1430	14972	Sat	911/34 Attention 07175 52641 78504 ... 34210 60262 78156 Attention (msg rptd) Out	USB	(AB)
E11a	19-10	1605	5176	Sun	236/31 Attention 88116 66883 17024 ... 32395 60497 61825 Attention (msg rptd) Out	USB	(AB)
E11a	19-10	1745	13470	Sun	247/31 Attention 92845 02378 14577 ... 58957 47423 21937 Attention (msg rptd) Out	USB	(AB)
E11a	20-10	0600	25839	Mon	940/37 Attention 66755 35599 42787 ... 27215 00791 12803 Attention (msg rptd) Out	USB	(AB-POL)
E11a	20-10	1300	5371	Mon	319/31 Attention 81348 54190 45720 ... 70370 06367 91580 Attention (msg rptd) Out	USB	(AB)
E11a	20-10	1900	7317	Mon	641/31 Attention 36527 36904 90955 ... 37807 03356 62140 Attention (msg rptd) Out	USB	(AB)
E11a	21-10	0700	8180	Tue	571/40 Attention 45612 60383 08620 ... 31133 76576 17759 Attention (msg rptd) Out	USB	(AB)
E11a	21-10	1205	9399	Tue	466/34 Attention 50445 99621 79691 ... 58712 05226 51332 Attention (msg rptd) Out	USB	(AB)
E11a	22-10	0600	25839	Wed	940/37 Attention 66755 35599 42787 ... 27215 00791 12803 Attention (msg rptd) Out	USB	(AB-POL)
E11a	22-10	1205	9399	Wed	466/34 Attention 50445 99621 79691 ... 58712 05226 51332 Attention (msg rptd) Out	USB	(AB)
E11a	23-10	0720	9446	Thu	436/35 Attention 95440 05960 24594 ... 51429 54691 75963 Attention (msg rptd) Out	USB	(AB)
E11a	23-10	1300	5371	Thu	319/31 Attention 81348 54190 45720 ... 70370 06367 91580 Attention (msg rptd) Out	USB	(AB-POL)
E11a	23-10	1900	7317	Thu	641/31 Attention 36527 36904 90955 ... 37807 03356 62140 Attention (msg rptd) Out	USB	(AB)
E11a	24-10	0600	8680	Fri	352/40 Attention 05380 25122 29522 ... 03205 95860 21003 Attention (msg rptd) Out	USB	(AB)
E11a	24-10	0700	8180	Fri	571/40 Attention 45612 60383 08620 ... 31133 76576 17759 Attention (msg rptd) Out	USB	(AB)
E11a	24-10	0720	9446	Fri	436/35 Attention 95440 05960 24594 ... 51429 54691 75963 Attention (msg rptd) Out	USB	(AB)
E11a	25-10	0700	9079	Sat	498/36 Attention 18488 52636 63562 ... 62995 22163 02854 Attention (msg rptd) Out	USB	(AB)
E11a	25-10	1645	4505	Sat	364/34 Attention 15823 11191 50377 ... 93244 84048 77228 Attention (msg rptd) Out	USB	(AB)
E11a	26-10	0600	8680	Sun	352/40 Attention 05380 25122 29522 ... 03205 95860 21003 Attention (msg rptd) Out	USB	(AB)
E11a	26-10	0700	9079	Sun	No transmission	USB	(AB)
E11a	26-10	1645	4505	Sun	364/34 Attention 15823 11191 50377 ... 93244 84048 77228 Attention (msg rptd) Out	USB	(AB)
E11a	27-10	0830	20170	Mon	188/26 Attention 22362 36838 01963 ... 70610 24535 19494 Attention (msg rptd) Out	USB	(AB-POL)
E11a	28-10	1230	12530	Tue	332/37 Attention 05639 67115 04332 ... 03952 05565 14900 Attention (msg rptd) Out	USB	(AB)
E11a	29-10	0930	6940	Wed	279/36 Attention 73516 75044 12841 ... 09231 31502 82037 Attention (msg rptd) Out	USB	(AB-POL)
E11a	30-10	0930	6940	Thu	279/36 Attention 73516 75044 12841 ... 09231 31502 82037 Attention (msg rptd) Out	USB	(AB)
E11a	30-10	1230	12530	Thu	332/37 Attention 05639 67115 04332 ... 03952 05565 14900 Attention (msg rptd) Out	USB	(AB)
E11a	31-10	0830	20170	Fri	188/26 Attention 22362 36838 01963 ... 70610 24535 19494 Attention (msg rptd) Out	USB	(AB)
EGY	15-10	0644	16027. 7	Wed	MFA Cairo clg QQTx: Egyptian embassy Prague	SITOR-A 100/170	(AB)
EGY	16-10	0612	14356. 7	Thu	MFA Cairo clg TVVM: Egyptian embassy Kuwait	Sitor-A 100/170	(AB)
EGY	23-10	1323	20056. 7	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	23-10	1325	20055	Thu	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	28-10	1039	18050	Tue	99903: MFA Cairo wkg 11106: Egyptian embassy Vienna	CODAN	(AB)
EGY	28-10	1039	18051. 7	Tue	MFA Cairo clg XBVC: Egyptian embassy Vienna	SITOR-A 100/170	(AB)
F01	1-10	1015	11129	Wed	Message 49	FSK 200/500	(AB)

F01	1-10	1025	9082	Wed	Message 49	FSK 200/500	(AB)
F01	1-10	1035	7344	Wed	Message 49	FSK 200/500	(AB)
F01	2-10	1015	11129	Thu	Messages 50 and 51	FSK 200/500	(AB)
F01	2-10	1025	9082	Thu	Messages 50 and 51	FSK 200/500	(AB)
F01	2-10	1035	7344	Thu	Messages 50 and 51	FSK 200/500	(AB)
F01	3-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	3-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	3-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	6-10	1015	11129	Mon	Message 52	FSK 200/500	(AB)
F01	6-10	1025	9082	Mon	Message 52	FSK 200/500	(AB)
F01	6-10	1035	7344	Mon	Message 52	FSK 200/500	(AB)
F01	7-10	1015	11129	Tue	Message 52	FSK 200/500	(AB)
F01	7-10	1025	9082	Tue	Message 52	FSK 200/500	(AB)
F01	7-10	1035	7344	Tue	Message 52	FSK 200/500	(AB)
F01	8-10	1015	11129	Wed	Message 55	FSK 200/500	(AB)
F01	8-10	1025	9082	Wed	Message 55	FSK 200/500	(AB)
F01	8-10	1035	7344	Wed	Message 55	FSK 200/500	(AB)
F01	9-10	1015	11129	Thu	Messages 56 and 57	FSK 200/500	(AB)
F01	9-10	1025	9082	Thu	Messages 56 and 57	FSK 200/500	(AB)
F01	9-10	1035	7344	Thu	Messages 56 and 57	FSK 200/500	(AB)
F01	10-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	13-10	1015	11129	Mon	Message 58	FSK 200/500	(AB)
F01	13-10	1025	9082	Mon	Message 58	FSK 200/500	(AB)
F01	13-10	1035	7344	Mon	Message 58	FSK 200/500	(AB)
F01	14-10	0930	10678	Tue	Message 20	FSK 200/500	(AB)
F01	14-10	0940	13967	Tue	Message 20	FSK 200/500	(AB)
F01	14-10	1015	11129	Tue	No transmission	FSK 200/500	(AB)
F01	14-10	1025	9082	Tue	No transmission	FSK 200/500	(AB)
F01	14-10	1035	7344	Tue	No transmission	FSK 200/500	(AB)
F01	15-10	1015	11129	Wed	Message 59	FSK 200/500	(AB)
F01	15-10	1025	9082	Wed	Message 59	FSK 200/500	(AB)
F01	15-10	1035	7344	Wed	Message 59	FSK 200/500	(AB)
F01	16-10	1015	11129	Thu	Messages 60 and 61	FSK 200/500	(AB)
F01	16-10	1025	9082	Thu	Messages 60 and 61	FSK 200/500	(AB)
F01	16-10	1035	7344	Thu	Messages 60 and 61	FSK 200/500	(AB)
F01	17-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	20-10	1015	11129	Mon	Message 62	FSK 200/500	(AB)
F01	20-10	1025	9082	Mon	Message 62	FSK 200/500	(AB)

F01	20-10	1035	7344	Mon	Message 62	FSK 200/500	(AB)
F01	21-10	1015	11129	Tue	Messages 63 and 64	FSK 200/500	(AB)
F01	21-10	1025	9082	Tue	Messages 63 and 64	FSK 200/500	(AB)
F01	21-10	1035	7344	Tue	Messages 63 and 64	FSK 200/500	(AB)
F01	22-10	1015	11129	Wed	Message 65	FSK 200/500	(AB)
F01	22-10	1025	9082	Wed	Message 65	FSK 200/500	(AB)
F01	22-10	1035	7344	Wed	Message 65	FSK 200/500	(AB)
F01	23-10	1015	11129	Thu	Messages 66 and 67	FSK 200/500	(AB)
F01	23-10	1025	9082	Thu	Messages 66 and 67	FSK 200/500	(AB)
F01	23-10	1035	7344	Thu	Messages 66 and 67	FSK 200/500	(AB)
F01	24-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	27-10	1015	11129	Mon	Message 68	FSK 200/500	(AB)
F01	27-10	1025	9082	Mon	Message 68	FSK 200/500	(AB)
F01	27-10	1035	7344	Mon	Message 68	FSK 200/500	(AB)
F01	28-10	1015	11129	Tue	Messages 69 and 70	FSK 200/500	(AB)
F01	28-10	1025	9082	Tue	Messages 69 and 70	FSK 200/500	(AB)
F01	28-10	1035	7344	Tue	Messages 69 and 70	FSK 200/500	(AB)
F01	29-10	1015	11129	Wed	Message 71	FSK 200/500	(AB)
F01	29-10	1025	9082	Wed	Message 71	FSK 200/500	(AB)
F01	29-10	1035	7344	Wed	Message 71	FSK 200/500	(AB)
F01	30-10	1015	11129	Thu	No transmission	FSK 200/500	(AB)
F01	30-10	1025	9082	Thu	No transmission	FSK 200/500	(AB)
F01	30-10	1035	7344	Thu	No transmission	FSK 200/500	(AB)
F01	31-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	31-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	31-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F02	7-10	0805	22991	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-10	0611	11537	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-10	0730	20042	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-10	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-10	1421	19252	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-10	1438	17506	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	15-10	0625	12165	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	15-10	0640	12155	Wed	Russian domestic net (1h transmission)	MFSK-4 150Bd/4000Hz	(AB)
F02	15-10	0640	13391	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	15-10	0647	17421	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	15-10	0650	13856	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	15-10	0721	14987	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0607	16125	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0621	13952	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)

F02	16-10	0622	14564	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0627	12155	Thu	Russian domestic net. Test	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0630	13952	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0638	13391	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0640	12155	Thu	Russian domestic net (1h transmision) F02 test ca 0627	MFSK-4 150Bd/4000Hz	(AB)
F02	16-10	0720	14783	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	28-10	0748	14983	Tue	Russian domestic net. Test	MFSK-4 150Bd/4000Hz	(AB)
F02	28-10	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	28-10	0812	13884	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	29-10	1436	13864	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	29-10	1450	13864	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	2-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	22-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	1-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	1-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	1-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	1-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	1-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	1-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	2-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0700	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0705	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	3-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	3-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	3-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	0530	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-10	0535	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	0950	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	0955	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0615	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0620	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-10	0530	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	0535	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	8-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	9-10	0615	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0620	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0700	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0705	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	9-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0700	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0705	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	10-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	10-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0530	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	13-10	0535	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	13-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0950	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0955	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	13-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	13-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0615	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0620	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0530	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)

F03I	15-10	0535	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-10	0430	24123	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0435	24123	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0615	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0620	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0700	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0705	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0700	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0705	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0530	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-10	0535	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)

F03I	20-10	0815	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0950	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0955	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	20-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0615	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0620	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-10	0530	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	0535	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	22-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	23-10	0615	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0620	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0700	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0705	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	23-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0700	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0705	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-10	0815	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0950	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0955	4828	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	27-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0615	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0620	12815	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	29-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	29-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)

F03I	29-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	29-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	29-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	30-10	0615	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0620	12815	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0700	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0705	11092	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0700	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0705	11092	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	2-10	0700	10541	Thu	11166 70202 28451 01057 01339 and 11166 70202 39516 01058 01999	FSK 200/1000	(AB)
F06	2-10	0710	8113	Thu	11166 70202 28451 01057 01339 and 11166 70202 39516 01058 01999	FSK 200/1000	(AB)
F06	2-10	0720	6791	Thu	11166 70202 28451 01057 01339 and 11166 70202 39516 01058 01999	FSK 200/1000	(AB-FIN)
F06	2-10	1200	11173	Thu	11166 70202 28451 01057 01339 and 11166 70202 39516 01058 01999	FSK 200/1000	(AB)
F06	2-10	1210	9246	Thu	11166 70202 28451 01057 01339 and 11166 70202 39516 01058 01999	FSK 200/1000	(AB-FIN)
F06	2-10	1220	7611	Thu	11166 70202 28451 01057 01339 and 11166 70202 39516 01058 01999	FSK 200/1000	(AB-FIN)
F06	2-10	1330	20321	Thu	11166 80214 15269 02066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	1340	18629	Thu	11166 80214 15269 02066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	1350	13983	Thu	11166 80214 15269 02066 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-10	0700	10541	Fri	11166 70202 79326 03087 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-10	0710	8113	Fri	11166 70202 79326 03087 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-10	0720	6791	Fri	11166 70202 79326 03087 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN)
F06	5-10	1530	18957	Sun	11166 10053 25813 05078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-10	1540	16317	Sun	11166 10053 25813 05078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-10	1550	12217	Sun	11166 10053 25813 05078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	6-10	0400	6848	Mon	11166 70059 13649 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-10	0410	5433	Mon	11166 70059 13649 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-10	0420	4840	Mon	11166 70059 13649 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-10	0800	11128	Mon	11100 00000 59271 03011 01279	FSK 200/1000	(AB)
F06	6-10	0810	9446	Mon	11100 00000 59271 03011 01279	FSK 200/1000	(AB)
F06	6-10	0820	7453	Mon	11100 00000 59271 03011 01279	FSK 200/1000	(AB)
F06	7-10	0030	11617	Tue	Null message. Too weak to decode	FSK 200/1000	(AB)
F06	7-10	0040	8193	Tue	Null message. Too weak to decode	FSK 200/1000	(AB)
F06	7-10	0050	7481	Tue	Null message. Too weak to decode	FSK 200/1000	(AB)
F06	7-10	0700	10541	Tue	11166 70202 68214 06060 02119 and 11166 70202 15493 06061 01819	FSK 200/1000	(AB)
F06	7-10	0710	8113	Tue	11166 70202 68214 06060 02119 and 11166 70202 15493 06061 01819	FSK 200/1000	(AB)
F06	7-10	0720	6791	Tue	11166 70202 68214 06060 02119 and 11166 70202 15493 06061 01819	FSK 200/1000	(AB-FIN)
F06	7-10	0800	11128	Tue	11100 00000 59271 03011 01279	FSK 200/1000	(AB)
F06	7-10	0810	9446	Tue	11100 00000 59271 03011 01279	FSK 200/1000	(AB)
F06	7-10	0820	7453	Tue	11100 00000 59271 03011 01279	FSK 200/1000	(AB)
F06	7-10	1200	11173	Tue	11166 70202 68214 06060 02119 and 11166 70202 15493 06061 01819	FSK 200/1000	(AB)
F06	7-10	1210	9246	Tue	11166 70202 68214 06060 02119 and 11166 70202 15493 06061 01819	FSK 200/1000	(AB-FIN)
F06	7-10	1220	7611	Tue	11166 70202 68214 06060 02119 and 11166 70202 15493 06061 01819	FSK 200/1000	(AB-FIN)
F06	7-10	1650	16313	Tue	11166 10053 95184 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-10	1700	12217	Tue	11166 10053 95184 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-10	1710	11453	Tue	11166 10053 95184 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-10	0700	10541	Thu	11166 70202 84512 08063 02139 and 11166 70202 98652 08064 01879	FSK 200/1000	(AB)
F06	9-10	0710	8113	Thu	11166 70202 84512 08063 02139 and 11166 70202 98652 08064 01879	FSK 200/1000	(AB)
F06	9-10	0720	6791	Thu	11166 70202 84512 08063 02139 and 11166 70202 98652 08064 01879	FSK 200/1000	(AB-FIN)
F06	9-10	1200	11173	Thu	11166 70202 84512 08063 02139 and 11166 70202 98652 08064 01879	FSK 200/1000	(AB)
F06	9-10	1210	9246	Thu	11166 70202 84512 08063 02139 and 11166 70202 98652 08064 01879	FSK 200/1000	(AB-FIN)
F06	9-10	1220	7611	Thu	11166 70202 84512 08063 02139 and 11166 70202 98652 08064 01879	FSK 200/1000	(AB-FIN)
F06	9-10	1330	20321	Thu	11166 80214 97642 08024 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	9-10	1340	18629	Thu	11166 80214 97642 08024 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	9-10	1350	13983	Thu	11166 80214 97642 08024 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	10-10	0700	10541	Fri	11166 70202 25847 10258 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	0710	8113	Fri	11166 70202 25847 10258 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	0720	6791	Fri	11166 70202 25847 10258 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN)
F06	12-10	1530	18957	Sun	11166 10053 74523 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-10	1540	16317	Sun	11166 10053 74523 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-10	1550	12217	Sun	11166 10053 74523 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	0800	11128	Mon	11100 00000 32157 10012 03539	FSK 200/1000	(AB)
F06	13-10	0810	9446	Mon	11100 00000 32157 10012 03539	FSK 200/1000	(AB)
F06	13-10	0820	7453	Mon	11100 00000 32157 10012 03539	FSK 200/1000	(AB)
F06	14-10	0030	11617	Tue	Null message. Too weak to decode	FSK 200/1000	(AB)
F06	14-10	0040	8193	Tue	Null message. Too weak to decode	FSK 200/1000	(AB)
F06	14-10	0050	7481	Tue	Null message. Too weak to decode	FSK 200/1000	(AB)

F06	14-10	0700	10541	Tue	No transmission	FSK 200/1000	(AB)
F06	14-10	0710	8113	Tue	No transmission	FSK 200/1000	(AB)
F06	14-10	0720	6791	Tue	No transmission	FSK 200/1000	(AB-FIN)
F06	14-10	0800	11128	Tue	No transmission	FSK 200/1000	(AB)
F06	14-10	0810	9446	Tue	No transmission	FSK 200/1000	(AB)
F06	14-10	0820	7453	Tue	No transmission	FSK 200/1000	(AB)
F06	14-10	1200	11173	Tue	No transmission	FSK 200/1000	(AB)
F06	14-10	1210	9246	Tue	No transmission	FSK 200/1000	(AB-FIN)
F06	14-10	1220	7611	Tue	No transmission	FSK 200/1000	(AB-FIN)
F06	14-10	1650	16313	Tue	11166 10053 32147 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-10	1700	12217	Tue	11166 10053 32147 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-10	1710	11453	Tue	11166 10053 32147 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-10	0700	10541	Thu	11166 70202 75316 15067 01639 and 11166 70202 95874 15068 01799	FSK 200/1000	(AB)
F06	16-10	0710	8113	Thu	11166 70202 75316 15067 01639 and 11166 70202 95874 15068 01799	FSK 200/1000	(AB)
F06	16-10	0720	6791	Thu	11166 70202 75316 15067 01639 and 11166 70202 95874 15068 01799	FSK 200/1000	(AB-FIN)
F06	16-10	1200	11173	Thu	11166 70202 75316 15067 01639 and 11166 70202 95874 15068 01799	FSK 200/1000	(AB)
F06	16-10	1210	9246	Thu	11166 70202 75316 15067 01639 and 11166 70202 95874 15068 01799	FSK 200/1000	(AB-FIN)
F06	16-10	1220	7611	Thu	11166 70202 75316 15067 01639 and 11166 70202 95874 15068 01799	FSK 200/1000	(AB-FIN)
F06	16-10	1330	20321	Thu	11166 80214 25471 15692 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	16-10	1340	18629	Thu	11166 80214 25471 15692 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	16-10	1350	13983	Thu	11166 80214 25471 15692 00049 00000 00000 00000 00000 (wrong date in the header)	FSK 200/1000	(AB)
F06	17-10	0700	10541	Fri	11166 70202 85246 16051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	0710	8113	Fri	11166 70202 85246 16051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	0720	6791	Fri	11166 70202 85246 16051 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	18-10	1200	12185	Sat	11100 00000 82461 18001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	18-10	1215	9975	Sat	11100 00000 82461 18001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	18-10	1230	5741	Sat	11100 00000 82461 18001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	19-10	1530	18957	Sun	11166 10053 13957 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-10	1540	16317	Sun	11166 10053 13957 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-10	1550	12217	Sun	11166 10053 13957 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	0400	6848	Mon	11166 70059 26489 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	0410	5433	Mon	11166 70059 26489 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	0420	4840	Mon	11166 70059 26489 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	0800	11128	Mon	11100 00000 58471 17013 01159	FSK 200/1000	(AB)
F06	20-10	0810	9446	Mon	11100 00000 58471 17013 01159	FSK 200/1000	(AB)
F06	20-10	0820	7453	Mon	11100 00000 58471 17013 01159	FSK 200/1000	(AB)
F06	21-10	0030	11617	Tue	11166 60070 16498 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	0040	8193	Tue	11166 60070 16498 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	0050	7481	Tue	11166 60070 16498 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	0700	10541	Tue	11166 70202 17458 20070 01619 and 11166 70202 19852 20071 01879	FSK 200/1000	(AB)
F06	21-10	0710	8113	Tue	11166 70202 17458 20070 01619 and 11166 70202 19852 20071 01879	FSK 200/1000	(AB)
F06	21-10	0720	6791	Tue	11166 70202 17458 20070 01619 and 11166 70202 19852 20071 01879	FSK 200/1000	(AB-FIN)

F06	21-10	0800	11128	Tue	11100 00000 58471 17013 01159	FSK 200/1000	(AB)
F06	21-10	0810	9446	Tue	11100 00000 58471 17013 01159	FSK 200/1000	(AB)
F06	21-10	0820	7453	Tue	11100 00000 58471 17013 01159	FSK 200/1000	(AB)
F06	21-10	1200	11173	Tue	11166 70202 17458 20070 01619 and 11166 70202 19852 20071 01879	FSK 200/1000	(AB)
F06	21-10	1210	9246	Tue	11166 70202 17458 20070 01619 and 11166 70202 19852 20071 01879	FSK 200/1000	(AB-FIN)
F06	21-10	1220	7611	Tue	11166 70202 17458 20070 01619 and 11166 70202 19852 20071 01879	FSK 200/1000	(AB-FIN)
F06	21-10	1650	16313	Tue	11166 10053 85213 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	1700	12217	Tue	11166 10053 85213 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	1710	11453	Tue	11166 10053 85213 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-10	0700	10541	Thu	11166 70202 64297 22073 01799 and 11166 70202 41852 22074 02079	FSK 200/1000	(AB)
F06	23-10	0710	8113	Thu	11166 70202 64297 22073 01799 and 11166 70202 41852 22074 02079	FSK 200/1000	(AB)
F06	23-10	0720	6791	Thu	11166 70202 64297 22073 01799 and 11166 70202 41852 22074 02079	FSK 200/1000	(AB-FIN)
F06	23-10	1200	11173	Thu	11166 70202 64297 22073 01799 and 11166 70202 41852 22074 02079	FSK 200/1000	(AB)
F06	23-10	1210	9246	Thu	11166 70202 64297 22073 01799 and 11166 70202 41852 22074 02079	FSK 200/1000	(AB-FIN)
F06	23-10	1220	7611	Thu	11166 70202 64297 22073 01799 and 11166 70202 41852 22074 02079	FSK 200/1000	(AB-FIN)
F06	23-10	1330	20321	Thu	11166 80214 58164 23036 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-10	1340	18629	Thu	11166 80214 58164 23036 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-10	1350	13983	Thu	11166 80214 58164 23036 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	0700	10541	Fri	11166 70202 97852 24017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	0710	8113	Fri	11166 70202 97852 24017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	0720	6791	Fri	11166 70202 97852 24017 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	26-10	1530	18957	Sun	11166 10053 25813 26078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-10	1540	16317	Sun	11166 10053 25813 26078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-10	1550	12217	Sun	11166 10053 25813 26078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	0800	11128	Mon	11100 00000 05637 24014 00899	FSK 200/1000	(AB)
F06	27-10	0810	9446	Mon	11100 00000 05637 24014 00899	FSK 200/1000	(AB)
F06	27-10	0820	7453	Mon	11100 00000 05637 24014 00899	FSK 200/1000	(AB)
F06	28-10	0030	11617	Tue	11166 60070 74523 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-10	0040	8193	Tue	11166 60070 74523 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-10	0050	7481	Tue	11166 60070 74523 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-10	0700	10541	Tue	11166 70202 95428 27076 01939 and 11166 70202 31879 27077 01859	FSK 200/1000	(AB)
F06	28-10	0710	8113	Tue	11166 70202 95428 27076 01939 and 11166 70202 31879 27077 01859	FSK 200/1000	(AB)
F06	28-10	0720	6791	Tue	11166 70202 95428 27076 01939 and 11166 70202 31879 27077 01859	FSK 200/1000	(AB-S)
F06	28-10	0800	11128	Tue	11100 00000 05637 24014 00899	FSK 200/1000	(AB)
F06	28-10	0810	9446	Tue	11100 00000 05637 24014 00899	FSK 200/1000	(AB)
F06	28-10	0820	7453	Tue	11100 00000 05637 24014 00899	FSK 200/1000	(AB)
F06	28-10	1200	11173	Tue	11166 70202 95428 27076 01939 and 11166 70202 31879 27077 01859	FSK 200/1000	(AB)
F06	28-10	1210	9246	Tue	11166 70202 95428 27076 01939 and 11166 70202 31879 27077 01859	FSK 200/1000	(AB-FIN)
F06	28-10	1220	7611	Tue	11166 70202 95428 27076 01939 and 11166 70202 31879 27077 01859	FSK 200/1000	(AB-FIN)
F06	28-10	1650	16313	Tue	11166 10053 13579 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-10	1700	12217	Tue	11166 10053 13579 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-10	1710	11453	Tue	11166 10053 13579 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	30-10	0700	10541	Thu	11166 70202 65912 29079 01659 and 11166 70202 54720 29080 02019	FSK 200/1000	(AB)
F06	30-10	0710	8113	Thu	11166 70202 65912 29079 01659 and 11166 70202 54720 29080 02019	FSK 200/1000	(AB)
F06	30-10	0720	6791	Thu	11166 70202 65912 29079 01659 and 11166 70202 54720 29080 02019	FSK 200/1000	(AB-FIN)
F06	30-10	1200	11173	Thu	No transmission	FSK 200/1000	(AB)
F06	30-10	1210	9246	Thu	No transmission	FSK 200/1000	(AB)
F06	30-10	1220	7611	Thu	No transmission	FSK 200/1000	(AB)
F06	30-10	1330	20321	Thu	11166 80214 97863 30033 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-10	1340	18629	Thu	11166 80214 97863 30033 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-10	1350	13983	Thu	11166 80214 97863 30033 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-10	0700	10541	Fri	11166 70202 28514 30256 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	31-10	0710	8113	Fri	11166 70202 28514 30256 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB)
F06	31-10	0720	6791	Fri	11166 70202 28514 30256 00049 00000 00000 00000 00000 (wrong date)	FSK 200/1000	(AB-POL)
F06a	1-10	0600	17481	Wed	File 49462 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	1-10	0615	19834	Wed	File 49462 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	1-10	0630	22875	Wed	File 49462 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	1-10	0700	10541	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	1-10	0715	8113	Wed	File 44456 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	1-10	0730	6791	Wed	File 44456 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	1-10	1200	11173	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	1-10	1215	9246	Wed	File 44456 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	1-10	1230	7611	Wed	File 44456 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	2-10	0600	17481	Thu	File 49462 (binary contents)	FSK 200/1000	(AB-S)
F06a	2-10	0615	19834	Thu	File 49462 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	2-10	0630	22875	Thu	File 49462 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	4-10	1600	23955	Sat	File 44533 (binary contents)	FSK 200/1000	(PY)
F06a	4-10	1615	22899	Sat	File 44533 (binary contents)	FSK 200/1000	(PY)
F06a	4-10	1630	19851	Sat	File 44533 (binary contents)	FSK 200/1000	(PY)
F06a	5-10	1600	19331	Sun	File 44533 (binary contents)	FSK 200/1000	(PY)
F06a	5-10	1615	18187	Sun	File 44533 (binary contents)	FSK 200/1000	(PY)
F06a	5-10	1630	17478	Sun	File 44533 (binary contents)	FSK 200/1000	(PY)
F06a	6-10	0700	10541	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	6-10	0715	8113	Mon	File 44459 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	6-10	0730	6791	Mon	File 44459 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	6-10	1200	11173	Mon	File 44459 (binary contents)	FSK 200/1000	(AB)
F06a	6-10	1215	9246	Mon	File 44459 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	6-10	1230	7611	Mon	File 44459 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	8-10	0600	17481	Wed	File 24463 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	8-10	0615	19834	Wed	File 24463 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	8-10	0630	22875	Wed	File 24463 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	8-10	0700	10541	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	0715	8113	Wed	File 44462 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	8-10	0730	6791	Wed	File 44462 (binary contents)	FSK 200/1000	(AB-FIN)

F06a	8-10	1200	11173	Wed	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	1215	9246	Wed	File 44462 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	8-10	1230	7611	Wed	File 44462 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	9-10	0600	17481	Thu	File 24463 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	9-10	0615	19834	Thu	File 24463 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	9-10	0630	22875	Thu	File 24463 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	11-10	1600	23955	Sat	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	11-10	1615	22899	Sat	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	11-10	1630	19851	Sat	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-10	1600	19331	Sun	File 14434 (binary contents)	FSK 200/1000	(PY)
F06a	12-10	1615	18187	Sun	File 14434 (binary contents)	FSK 200/1000	(PY)
F06a	12-10	1630	17478	Sun	File 14434 (binary contents)	FSK 200/1000	(PY)
F06a	13-10	0700	10541	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	0715	8113	Mon	File 44465 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	13-10	0730	6791	Mon	File 44465 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	13-10	1200	11173	Mon	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	1215	9246	Mon	File 44465 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	13-10	1230	7611	Mon	File 44465 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	15-10	0600	17481	Wed	File 43464 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	15-10	0615	19834	Wed	File 43464 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	15-10	0630	22875	Wed	File 43464 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	15-10	0700	10541	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	0715	8113	Wed	File 44466 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	15-10	0730	6791	Wed	File 44466 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	15-10	1200	11173	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	1215	9246	Wed	File 44466 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	15-10	1230	7611	Wed	File 44466 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	16-10	0600	17481	Thu	File 43464 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	0615	19834	Thu	File 43464 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	0630	22875	Thu	File 43464 (binary contents)	FSK 200/1000	(AB)
F06a	17-10	1200	12185	Fri	File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico	FSK 200/1000	(PY)
F06a	17-10	1215	9975	Fri	File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico	FSK 200/1000	(PY)
F06a	17-10	1230	5741	Fri	File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico	FSK 200/1000	(PY)
F06a	17-10	1500	12090	Fri	File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico	FSK 200/1000	(PY)
F06a	17-10	1515	11083	Fri	File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico	FSK 200/1000	(PY)
F06a	17-10	1530	5936	Fri	File 44401 (892 bytes) password-protected zip archive containing p822692.ico, and file 44402 (880 bytes) password-protected zip archive containing GQQ465625.ico	FSK 200/1000	(PY)

F06a	18-10	1600	23955	Sat	File 47435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	18-10	1615	22899	Sat	File 47435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	18-10	1630	19851	Sat	File 47435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	19-10	1600	19331	Sun	File 47435 (binary contents)	FSK 200/1000	(PY)
F06a	19-10	1615	18187	Sun	File 47435 (binary contents)	FSK 200/1000	(PY)
F06a	19-10	1630	17478	Sun	File 47435 (binary contents)	FSK 200/1000	(PY)
F06a	20-10	0700	10541	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	0715	8113	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	0730	6791	Mon	File 44469 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	20-10	1200	11173	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	1215	9246	Mon	File 44469 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	20-10	1230	7611	Mon	File 44469 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	22-10	0600	17481	Wed	File 44565 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	0615	19834	Wed	File 44565 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	0630	22875	Wed	File 44565 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	0700	10541	Wed	File 44472 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	0715	8113	Wed	File 44472 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	22-10	0730	6791	Wed	File 44472 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	22-10	1200	11173	Wed	File 44472 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	1215	9246	Wed	File 44472 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	22-10	1230	7611	Wed	File 44472 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	23-10	0600	17481	Thu	File 44565 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	0615	19834	Thu	File 44565 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	0630	22875	Thu	File 44565 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	1600	23955	Sat	File 44636 (binary contents)	FSK 200/1000	(AB/PY)
F06a	25-10	1615	22899	Sat	File 44636 (binary contents)	FSK 200/1000	(AB/PY)
F06a	25-10	1630	19851	Sat	File 44636 (binary contents)	FSK 200/1000	(AB/PY)
F06a	26-10	1600	19331	Sun	File 44636 (binary contents)	FSK 200/1000	(PY)
F06a	26-10	1615	18187	Sun	File 44636 (binary contents)	FSK 200/1000	(PY)
F06a	26-10	1630	17478	Sun	File 44636 (binary contents)	FSK 200/1000	(PY)
F06a	27-10	0700	10541	Mon	File 44475 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	0715	8113	Mon	File 44475 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	0730	6791	Mon	File 44475 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	27-10	1200	11173	Mon	File 44475 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	1215	9246	Mon	File 44475 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	27-10	1230	7611	Mon	File 44475 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	29-10	0600	17481	Wed	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0600	17481	Wed	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0615	19834	Wed	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0615	19834	Wed	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0630	22875	Wed	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0630	22875	Wed	File 14466 (binary contents)	FSK 200/1000	(AB)

F06a	29-10	0700	10541	Wed	File 44478 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0715	8113	Wed	File 44478 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	29-10	0730	6791	Wed	File 44478 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	29-10	1200	11173	Wed	File 44478 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	1215	9246	Wed	File 44478 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	29-10	1230	7611	Wed	File 44478 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	30-10	0600	17481	Thu	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0600	17481	Thu	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0615	19834	Thu	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0615	19834	Thu	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0630	22875	Thu	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0630	22875	Thu	File 14466 (binary contents)	FSK 200/1000	(AB)
F06a	31-10	1800	10183	Fri	File 44047 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-10	1815	9143	Fri	File 44047 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-10	1830	8138	Fri	File 44047 (binary contents)	FSK 200/1000	(AB/PY)
F07	2-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-10	1200	9341	Fri	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	3-10	1210	10713	Fri	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	3-10	1220	11564	Fri	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	3-10	1230	11590	Fri	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	3-10	1240	12195	Fri	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	3-10	1250	13441	Fri	Russian intel. 2 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	7-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	9-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	14-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	16-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	0800	8154	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0810	9285	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0820	10713	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0830	11590	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0840	12197	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0850	13528	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0900	8154	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0910	9285	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0920	10713	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0930	11590	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0940	12197	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	17-10	0950	13528	Fri	Russian intel. 3 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(PY)
F07	21-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	30-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	1-10	1414	12450	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	2-10	1301	16252	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1435	11045	Fri	DPRK embassy Moscow wkg DPRK embassy Warsaw. QSY freq 11058, 7850 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1442	11045	Fri	DPRK embassy Moscow wkg DPRK embassy Warsaw. QSY freq 11058 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1503	11045	Fri	DPRK embassy Moscow wkg DPRK embassy Stockholm. QSY freqs 12120, 12450 13120 kHz, Chat: OK SK SK SK	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1508	11045	Fri	DPRK embassy Moscow wkg DPRK embassy Stockholm. QSY freqs 11951, 11951 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1510	11950	Fri	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1512	15500	Fri	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1516	11045	Fri	DPRK embassy Moscow wkg DPRK embassy Warsaw. QSY freq 11058, 17850 kHz,	DPRK-ARQ 600/600 LSB	(AB)
KRE	3-10	1519	11045	Fri	DPRK embassy Rome clg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	6-10	1236	17450	Mon	DPRK embassy Moscow wkg DPRK emassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	10-10	0659	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-10	0830	12450	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-10	0852	12450	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-10	0855	16850	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	15-10	1417	18650	Wed	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-10	0635	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Sofia. Coded traffic. Chat: 4RT OK SK	DPRK ARQ 600/600 LSB	(AB)
KRE	16-10	0654	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Vienna. Message 879, 81 groups. QSY freqs 11800, 13800 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	16-10	0706	14150	Thu	DPRK embassy Moscow wkg DPRK embassy Warszaw	DPRK ARQ 600/600 LSB	(AB)
KRE	16-10	0806	15500	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva. QSY freq 16320 kHz. Chat: 5RT OK SK	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	0702	14150	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	0803	15500	Fri	DPRK embassy Moscow wkg DPRK embassy Bucharest. QSY freq 15555 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	0827	18650	Fri	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	0832	11045	Fri	DPRK embassy Moscow wkg DPRK embassy Stockholm. QSY freqs 16252, 16373, 12850 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	1204	11045	Fri	DPRK embassy Moscow message 3289, 242 groups to DPRK embassy Stockholm. QSY freqs 12850, 16450 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	1214	11045	Fri	DPRK embassy Moscow clg DPRK embassy Stockholm. QSY freqs 16450, 16454, 16550, 17450 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	1315	11045	Fri	DPRK embassy Moscow clg DPRK embassy Warszaw. QSY freqs: 11000, 11050 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	1413	18650	Fri	DPRK embassy Moscow wkg DPRK embassy Cairo. Message and chat: 10RT OK SK	DPRK ARQ 600/600 LSB	(AB)
KRE	17-10	1413	18655	Fri	DPRK embassy Cairo msgs 42443, 1255, 1256, 737 and 738 to DPRK embassy Moscow	DPRK ARQ 600/600 LSB	(AB)
KRE	23-10	0647	14150	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	0727	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	0806	11090	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	23-10	1235	17140	Thu	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1239	17450	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)

KRE	23-10	1240	14120	Thu	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1305	14100	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1305	14150	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1305	15500	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1314	14150	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1315	14100	Thu	DPRK embassy Moscow wkg DPRK embassy Warszaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1321	14150	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1322	14222	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-10	1332	14200	Thu	DPRK embassy Moscow wkg DPRK embassy Prague	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0658	14200	Fri	DPRK embassy Moscow wkg DPRK embassy Prague. QSY freq 16320 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0700	14300	Fri	DPRK embassy Moscow message to DPRK embassy Vienna. QSY freq 13800 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0702	17140	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0705	15500	Fri	DPRK embassy Moscow wkg DPRK embassy Bucharest. QSY freq 15555 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0728	14200	Fri	DPRK embassy Moscow wkg DPRK embassy Prague. QSY freq 14600 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0730	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freq 14800 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0743	14200	Fri	DPRK embassy Moscow clg DPRK embassy Berlin. QSY freqs 12300, 12700 kHz	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	0748	13300	Fri	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-10	1312	14150	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-10	1536	11320	Sat	DPRK embassy Moscow wkg DPRK embassy Warszaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-10	0732	17140	Sun	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-10	0735	13800	Sun	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	27-10	1218	14300	Mon	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK ARQ 600/600 LSB	(AB)
KRE	27-10	1230	17140	Mon	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK ARQ 600/600 LSB	(AB)
KRE	27-10	1231	14300	Mon	DPRK embassy Moscow clg DPRK embassy Vienna	DPRK ARQ 600/600 LSB	(AB)
KRE	27-10	1330	14300	Mon	DPRK embassy Moscow clg DPRK embassy Sofia	DPRK ARQ 600/600 LSB	(AB)
KRE	29-10	0739	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	30-10	0628	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	0705	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	0731	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freqs 12050, 12850, 14800, 18800 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	0737	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freqs 12840, 12850, 14800, 15800, 16800 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	0752	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Berlin. QSY freqs 12850, 14800 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	1310	16252	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	1321	16250	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK ARQ 1200/600 LSB	(AB)
KRE	30-10	1330	14555	Thu	DPRK embassy Moscow wkg DPRK embassy Warszaw	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	1343	16252	Thu	DPRK embassy Moscow clg DPRK embassy Berlin. QSY freq 15555 kHz	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	1415	10960	Thu	DPRK embassy Stockholm wkg DPRK embassy Moscow	DPRK ARQ 600/600 LSB	(AB)
KRE	30-10	1415	11045	Thu	DPRK embassy Moscow wkg DPRK embassy Stockholm	DPRK ARQ 600/600 LSB	(AB)
KRE	31-10	1234	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK ARQ 600/600 LSB	(AB)
KRE	31-10	1324	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Sofia. QSY freq 15560 kHz	DPRK ARQ 600/600 LSB	(AB)
M01	2-10	2000	5020	Thu	463 559 559 30 30 = = 25435 64534 09876 ... 47645 09833 64537 = = 559 559 30 30 000	CW	(AB)

M01	4-10	1500	6260	Sat	Sent only 29 groups 463 778 778 30 30 = = 84933 85931 33721 ... 77489 44738 88391 = = 778 778 30 30 000	CW	(AB/Ringo)
M01	5-10	0700	6510	Sun	463 803 803 30 30 = = 78940 92018 89048 ... 97531 98048 48089 803 803 30 30 30 000	CW	(AB)
M01	7-10	1800	5475	Tue	463 501 501 30 30 = = 21345 54635 52364 ... 05948 85748 74348 = = 501 501 30 30 000	CW	(AB)
M01	9-10	1800	5474	Thu	463 055 055 30 30 = = 86058 06574 35546 ... 15460 65748 62756 05564 = = 055 055 30 30 000	CW	(AB)
M01	9-10	2000	5020	Thu	463 869 869 30 30 = = 65035 00564 18675 ... 05553 85635 06145 = = 869 869 30 30 000	CW	(AB)
M01	12-10	0700	6510	Sun	463 (R2m5s) 1m37s silence 463 (R42s) 056 056 30 30 = = 34758 85432 85432 ... 95843 75849 95847 = = 056 056 30 30 000	CW	(AB)
M01	14-10	1800	5475	Tue	463 543 543 30 30 = = 34231 46534 90988 ... 24311 24316 64534 = = 543 543 30 30 000	CW	(AB)
M01	16-10	1800	5474	Thu	463 (very poor signal)	CW	(AB)
M01	16-10	2000	5020	Thu	463 461 461 30 30 = = 79371 37481 37894... 48421 49301 67831 = = 461 461 30 30 000	CW	(AB)
M01	18-10	1500	6260	Sat	463 195 195 30 30 = = 18765 (198765) 09876 12345 ... 45678 49900 33221 = = 195 195 30 30 000	CW	(AB/Ringo)
M01	19-10	0700	6510	Sun	463 576 576 30 30 = = 14231 45454 60098 ... 37887 46534 49992 = = 576 576 30 30 000	CW	(AB/TJ)
M01	21-10	1800	5475	Tue	463 642 642 30 30 = = 38756 30978 25436 ... 37687 29870 22657 = = 642 642 30 30 000 (M01 sent 33 groups)	CW	(AB)
M01	21-10	2000	5020	Tue	463 714 714 30 30 = = 49857 66786 25434 ... 39870 48766 22765 = = 714 714 30 30 000 (M01 sent 33 groups)	CW	(AB)
M01	23-10	1802	5474	Thu	463 552 552 30 30 = = 23847 75432 75434 ... 95043 05934 95041 = = 552 551 30 30 000	CW	(AB)
M01	23-10	2000	5020	Thu	463 552 552 30 30 = = 23847 75432 75434 ... 95843 75843 75847 = = 552 552 30 30 000	CW	(AB)
M01	25-10	1500	6260	Sat	463 (2m19s datastream) 458 458 30 30 = = 98678 30917 38376 ... 36451 48769 09089 = = 458 458 30 30 000	CW	(AB)
M01	26-10	0700	6510	Sun	463 996 996 30 30 = = 37655 15436 58709 ... 33098 69807 36544 = = 996 996 30 30 000	CW	(AB)
M01	28-10	1800	5475	Tue	463 053 053 30 30 = = (too weak to copy)	CW	(AB)
M01	28-10	2000	5020	Tue	463 657 657 30 30 = = (too weak to copy)	CW	(AB)
M01	30-10	1802	5474	Thu	463 765 765 30 30 = = 16543 36543 89009 ... 45676 17654 36997 = = 765 765 30 30 000	CW	(AB)
M01	30-10	2000	5020	Thu	463 677 677 30 30 = = 34265 47589 68790 ... 50431 78906 34367 = = 677 677 30 30 000	CW	(AB)
M12	1-10	1900	11135	Wed	122 122 122 000	CW	(AB-S/HFD)
M12	1-10	1900	12135	Wed	573 573 573 1 1382 57 1382 57 82437 50456 59572 ... 32241 12759 24342 000 000	CW	(AB-S/HFD)
M12	1-10	1920	10235	Wed	122 122 122 000	CW	(AB-S/HFD)
M12	1-10	1920	11452	Wed	573 573 573 1 1382 57 1382 57 82437 50456 59572 ... 32241 12759 24342 000 000	CW	(AB-S/HFD)
M12	1-10	1940	10627	Wed	573 573 573 1 1382 57 1382 57 82437 50456 59572 ... 32241 12759 24342 000 000	CW	(AB-S/HFD)
M12	1-10	2310	12217	Wed	254 254 254 1 ...	CW	(HFD)
M12	1-10	2330	11517	Wed	254 254 254 1 ...	CW	(HFD)
M12	1-10	2350	10417	Wed	254 254 254 1 ...	CW	(HFD)
M12	2-10	0300	17437	Thu	495 495 495 1 ...	CW	(HFD-J)
M12	2-10	0320	15937	Thu	495 495 495 1 ...	CW	(HFD-J)
M12	2-10	0340	14537	Thu	495 495 495 1 ...	CW	(HFD-J)
M12	2-10	1800	11564	Thu	258 258 258 1 6019 76 6019 76 15996 29404 89855 ... 44069 71255 87049 000 000	CW	(AB/HFD)
M12	2-10	1820	10487	Thu	258 258 258 1 6019 76 6019 76 15996 29404 89855 ... 44069 71255 87049 000 000	CW	(AB/HFD)
M12	2-10	1840	9319	Thu	258 258 258 1 6019 76 6019 76 15996 29404 89855 ... 44069 71255 87049 000 000	CW	(AB/HFD)

M12	2-10	2000	10318	Thu	178 178 178 000	CW	(AB/HFD)
M12	2-10	2020	9218	Thu	178 178 178 000	CW	(AB/HFD)
M12	3-10	0800	10936	Fri	931 931 931 1 9488 178 9488 178 60912 92196 16916 ... 99388 16561 95456 000 000	CW	(PY)
M12	3-10	0820	10356	Fri	931 931 931 1 9488 178 9488 178 60912 92196 16916 ... 99388 16561 95456 000 000	CW	(PY)
M12	3-10	0840	9153	Fri	931 931 931 1 9488 178 9488 178 60912 92196 16916 ... 99388 16561 95456 000 000	CW	(PY)
M12	3-10	1900	11135	Fri	122 122 122 000	CW	(AB-S)
M12	3-10	1920	10235	Fri	122 122 122 000	CW	(AB-S)
M12	3-10	2100	7976	Fri	913 913 913 1 5094 195 5094 195 42791 40874 01361 ... 62139 48216 67903 000 000	CW	(AB/HFD)
M12	3-10	2120	9152	Fri	913 913 913 1 5094 195 5094 195 42791 40874 01361 ... 62139 48216 67903 000 000	CW	(AB/HFD)
M12	3-10	2140	10312	Fri	913 913 913 1 5094 195 5094 195 42791 40874 01361 ... 62139 48216 67903 000 000	CW	(AB/HFD)
M12	4-10	1900	12135	Sat	573 573 573 1 9554 59 9594 59 61417 28160 12667 ... 42327 40795 77826 000 000	CW	(AB/HFD)
M12	4-10	1920	11452	Sat	573 573 573 1 9554 59 9594 59 61417 28160 12667 ... 42327 40795 77826 000 000	CW	(AB/HFD)
M12	4-10	1940	10627	Sat	573 573 573 1 9554 59 9594 59 61417 28160 12667 ... 42327 40795 77826 000 000	CW	(AB/HFD)
M12	4-10	2100	7976	Sat	913 913 913 1 5094 195 5094 195 42791 40874 01361 ... 62139 48216 67903 000 000	CW	(AB/Ringo)
M12	4-10	2120	9152	Sat	913 913 913 1 5094 195 5094 195 42791 40874 01361 ... 62139 48216 67903 000 000	CW	(AB/RL)
M12	4-10	2140	10312	Sat	913 913 913 1 5094 195 5094 195 42791 40874 01361 ... 62139 48216 67903 000 000	CW	(AB/RL)
M12	6-10	0800	10936	Mon	931 931 931 1 8584 118 8584 118 73296 20830 08833 ... 87243 77226 82366 000 000	CW	(AB-KOR)
M12	6-10	0820	10356	Mon	931 931 931 1 8584 118 8584 118 73296 20830 08833 ... 87243 77226 82366 000 000	CW	(AB-KOR)
M12	6-10	0840	9153	Mon	931 931 931 1 8584 118 8584 118 73296 20830 08833 ... 87243 77226 82366 000 000	CW	(AB-KOR)
M12	6-10	2000	10318	Mon	178 178 178 1 1708 138 1708 138 25266 73672 56323 ... 51291 65987 34687 000 000	CW	(AB/RL)
M12	6-10	2020	9218	Mon	178 178 178 1 1708 138 1708 138 25266 73672 56323 ... 51291 65987 34687 000 000	CW	(AB/RL)
M12	6-10	2040	8118	Mon	178 178 178 1 1708 138 1708 138 25266 73672 56323 ... 51291 65987 34687 000 000	CW	(AB/RL)
M12	7-10	0300	17437	Tue	495 495 495 1 8252 176 8252 176 47078 71057 96304 ... 55629 95489 79594 000 000	CW	(Ringo)
M12	7-10	0650	16154	Tue	687 687 687 1 ... ended with 20881 000 000. Very weak and a very short message. Ended at 0653z	CW	(TJ/PY)
M12	7-10	0705	16154	Tue	687 1 2172 5 3__68...	CW	(PY)
M12	7-10	0715	16154	Tue	687 1 7619 8 59__60...	CW	(PY)
M12	7-10	1100	10713	Tue	657 657 657 1 3931 63 3931 63 55324 52402 87259 ... 98393 32174 88679 000 000	CW	(AB/HFD)
M12	7-10	1120	11568	Tue	657 657 657 1 3931 63 3931 63 55324 52402 87259 ... 98393 32174 88679 000 000	CW	(AB/HFD)
M12	7-10	1140	12165	Tue	657 657 657 1 3931 63 3931 63 55324 52402 87259 ... 98393 32174 88679 000 000	CW	(AB/HFD)
M12	8-10	1900	11135	Wed	122 122 122 1 823 98 823 98 59575 15552 91768 ... 84209 52756 74591 000 000	CW	(AB)
M12	8-10	1900	12135	Wed	573 573 573 1 2024 55 2024 55 65749 56189 94553 ... 54342 27244 21691 000 000	CW	(AB)
M12	8-10	1920	10235	Wed	122 122 122 1 823 98 823 98 59575 15552 91768 ... 84209 52756 74591 000 000	CW	(AB)
M12	8-10	1920	11452	Wed	573 573 573 1 2024 55 2024 55 65749 56189 94553 ... 54342 27244 21691 000 000	CW	(AB)
M12	8-10	1940	9235	Wed	122 122 122 1 823 98 823 98 59575 15552 91768 ... 84209 52756 74591 000 000	CW	(AB)
M12	8-10	1940	10627	Wed	573 573 573 1 2024 55 2024 55 65749 56189 94553 ... 54342 27244 21691 000 000	CW	(AB)
M12	8-10	2310	12217	Wed	254 254 254 1 117 154 117 154 84859 75274 33899 ... 55610 52233 42264 000 000	CW	(RL)
M12	8-10	2330	11517	Wed	254 254 254 1 117 154 117 154 84859 75274 33899 ... 55610 52233 42264 000 000	CW	(RL)
M12	8-10	2350	10417	Wed	254 254 254 1 117 154 117 154 84859 75274 33899 ... 55610 52233 42264 000 000	CW	(RL)
M12	9-10	1800	11564	Thu	258 258 258 1 218 79 2018 79 ... (poor signal)	CW	(AB)
M12	9-10	1820	10487	Thu	258 258 258 1 218 79 2018 79 ... (poor signal)	CW	(AB)
M12	9-10	1840	9319	Thu	258 258 258 1 218 79 2018 79 ... (poor signal)	CW	(AB)

M12	9-10	2000	10318	Thu	178 178 178 1 1708 138 1708 138 25266 73672 56323 ... 51291 65987 34687 000 000	CW	(AB/RL)
M12	9-10	2020	9218	Thu	178 178 178 1 1708 138 1708 138 25266 73672 56323 ... 51291 65987 34687 000 000	CW	(AB/RL)
M12	9-10	2040	8118	Thu	178 178 178 1 1708 138 1708 138 25266 73672 56323 ... 51291 65987 34687 000 000	CW	(AB/RL)
M12	10-10	0800	10936	Fri	931 931 931 1 8584 118 8584 118 73296 20830 08833 ... 87243 77226 82366 000 000	CW	(AB-KOR)
M12	10-10	0820	10356	Fri	931 931 931 1 8584 118 8584 118 73296 20830 08833 ... 87243 77226 82366 000 000	CW	(AB-KOR)
M12	10-10	0840	9153	Fri	931 931 931 1 8584 118 8584 118 73296 20830 08833 ... 87243 77226 82366 000 000	CW	(AB-KOR)
M12	10-10	1900	11135	Fri	122 122 122 1 823 98 823 98 59575 15552 91768 ... 84209 52756 74591 000 000	CW	(AB)
M12	10-10	1920	10235	Fri	122 122 122 1 823 98 823 98 59575 15552 91768 ... 84209 52756 74591 000 000	CW	(AB)
M12	10-10	1940	9235	Fri	122 122 122 1 823 98 823 98 59575 15552 91768 ... 84209 52756 74591 000 000	CW	(AB)
M12	10-10	2100	7976	Fri	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	10-10	2120	9152	Fri	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	10-10	2140	10312	Fri	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	11-10	1900	12135	Sat	573 573 573 1 9815 55 9815 55 49614 78972 88484 ... 22829 72992 35188 000 000	CW	(AB)
M12	11-10	1920	11452	Sat	573 573 573 1 9815 55 9815 55 49614 78972 88484 ... 22829 72992 35188 000 000	CW	(AB)
M12	11-10	1940	10627	Sat	573 573 573 1 9815 55 9815 55 49614 78972 88484 ... 22829 72992 35188 000 000	CW	(AB)
M12	11-10	2100	7976	Sat	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	11-10	2120	9152	Sat	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	11-10	2140	10312	Sat	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB/RL)
M12	13-10	0800	10936	Mon	931 931 931 1 6130 157 6130 157 87442 11585 26554 ... 23006 74120 48029 000 000	CW	(AB-KOR)
M12	13-10	0820	10356	Mon	931 931 931 1 6130 157 6130 157 87442 11585 26554 ... 23006 74120 48029 000 000	CW	(AB-KOR)
M12	13-10	0840	9153	Mon	931 931 931 1 6130 157 6130 157 87442 11585 26554 ... 23006 74120 48029 000 000	CW	(AB-KOR)
M12	13-10	2000	10318	Mon	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB/RL)
M12	13-10	2020	9218	Mon	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB/RL)
M12	13-10	2040	8118	Mon	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB/RL)
M12	14-10	1100	10713	Tue	657 657 657 1 3151 57 3151 57 06381 31339 14044 ... 88208 34534 47253 000 000	CW	(AB)
M12	14-10	1120	11568	Tue	657 657 657 1 3151 57 3151 57 06381 31339 14044 ... 88208 34534 47253 000 000	CW	(AB)
M12	14-10	1140	12165	Tue	657 657 657 1 3151 57 3151 57 06381 31339 14044 ... 88208 34534 47253 000 000	CW	(AB)
M12	15-10	1900	11135	Wed	122 122 122 000	CW	(AB)
M12	15-10	1900	12135	Wed	573 573 573 1 3197 58 3197 58 58463 98953 56997 ... 30391 34643 20479 000 000	CW	(AB)
M12	15-10	1920	10235	Wed	122 122 122 000	CW	(AB)
M12	15-10	1920	11452	Wed	573 573 573 1 3197 58 3197 58 58463 98953 56997 ... 30391 34643 20479 000 000	CW	(AB)
M12	15-10	1940	10627	Wed	573 573 573 1 3197 58 3197 58 58463 98953 56997 ... 30391 34643 20479 000 000	CW	(AB)
M12	15-10	2330	11517	Wed	254 254 254 1 818 187 818 187 55462 80704 43391 ... 53957 12424 58811 000 000	CW	(RL)
M12	15-10	2350	10417	Wed	254 254 254 1 818 187 818 187 55462 80704 43391 ... 53957 12424 58811 000 000	CW	(RL)
M12	16-10	1800	11564	Thu	258 258 258 1 2739 76 2739 76 80581 07829 24501 ... 21652 67138 63508 000 000	CW	(AB)
M12	16-10	1820	10487	Thu	258 258 258 1 2739 76 2739 76 80581 07829 24501 ... 21652 67138 63508 000 000	CW	(AB)
M12	16-10	1840	9319	Thu	258 258 258 1 2739 76 2739 76 80581 07829 24501 ... 21652 67138 63508 000 000	CW	(AB)
M12	16-10	2000	10318	Thu	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	16-10	2020	9218	Thu	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	16-10	2040	8118	Thu	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	17-10	0800	10936	Fri	931 931 931 1 6130 157 6130 157 87442 11585 26554 ... 23006 74120 48029 000 000	CW	(AB-KOR)
M12	17-10	0820	10356	Fri	931 931 931 1 6130 157 6130 157 87442 11585 26554 ... 23006 74120 48029 000 000	CW	(AB-KOR)

M12	17-10	0840	9153	Fri	931 931 931 1 6130 157 6130 157 87442 11585 26554 ... 23006 74120 48029 000 000	CW	(AB-KOR)
M12	17-10	1900	11135	Fri	122 122 122 000	CW	(AB)
M12	17-10	1920	10235	Fri	122 122 122 000	CW	(AB)
M12	17-10	2100	7976	Fri	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	17-10	2120	9152	Fri	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	17-10	2140	10312	Fri	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	18-10	1900	12135	Sat	573 573 573 1 2230 57 2230 57 45178 42915 91715 ... 79117 72934 28850 000 000	CW	(AB)
M12	18-10	1920	11452	Sat	573 573 573 1 2230 57 2230 57 45178 42915 91715 ... 79117 72934 28850 000 000	CW	(AB)
M12	18-10	1940	10627	Sat	573 573 573 1 2230 57 2230 57 45178 42915 91715 ... 79117 72934 28850 000 000	CW	(AB)
M12	18-10	2100	7976	Sat	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	18-10	2120	9152	Sat	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	18-10	2140	10312	Sat	913 913 913 1 3538 171 3538 171 39330 49257 78341 ... 57826 65726 64225 000 000	CW	(AB)
M12	20-10	0800	10936	Mon	931 931 931 1 5251 165 5251 165 44312 92185 58201 ... 27974 38223 67638 000 000	CW	(AB-KOR)
M12	20-10	0820	10356	Mon	931 931 931 1 5251 165 5251 165 44312 92185 58201 ... 27974 38223 67638 000 000	CW	(AB-KOR)
M12	20-10	0840	9153	Mon	931 931 931 1 5251 165 5251 165 44312 92185 58201 ... 27974 38223 67638 000 000	CW	(AB-KOR)
M12	20-10	2000	10318	Mon	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	20-10	2020	9218	Mon	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	20-10	2040	8118	Mon	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	21-10	1100	10713	Tue	657 657 657 1 5060 50 5060 50 75813 59825 60723 ... 61188 10947 18371 000 000	CW	(AB)
M12	21-10	1120	11568	Tue	657 657 657 1 5060 50 5060 50 75813 59825 60723 ... 61188 10947 18371 000 000	CW	(AB)
M12	21-10	1140	12165	Tue	657 657 657 1 5060 50 5060 50 75813 59825 60723 ... 61188 10947 18371 000 000	CW	(AB)
M12	22-10	1900	11135	Wed	122 122 122 1 2496 201 2496 201 63560 00440 63617 ... 71888 08426 16714 000 000	CW	(AB)
M12	22-10	1900	12135	Wed	573 573 573 1 8179 54 8179 54 30988 98105 67673 ... 18560 32495 40317 000 000	CW	(AB)
M12	22-10	1920	10235	Wed	122 122 122 1 2496 201 2496 201 63560 00440 63617 ... 71888 08426 16714 000 000	CW	(AB)
M12	22-10	1920	11452	Wed	573 573 573 1 8179 54 8179 54 30988 98105 67673 ... 18560 32495 40317 000 000	CW	(AB)
M12	22-10	1940	9235	Wed	122 122 122 1 2496 201 2496 201 63560 00440 63617 ... 71888 08426 16714 000 000	CW	(AB)
M12	22-10	1940	10627	Wed	573 573 573 1 8179 54 8179 54 30988 98105 67673 ... 18560 32495 40317 000 000	CW	(AB)
M12	22-10	2310	12217	Wed	254 254 254 000	CW	(AB)
M12	22-10	2330	11517	Wed	254 254 254 000	CW	(AB)
M12	23-10	1800	11564	Thu	258 258 258 1 1659 80 1659 80 88464 82838 71817 ... 20264 84003 93942 000 000	CW	(AB)
M12	23-10	1820	10487	Thu	258 258 258 1 1659 80 1659 80 88464 82838 71817 ... 20264 84003 93942 000 000	CW	(AB)
M12	23-10	1840	9319	Thu	258 258 258 1 1659 80 1659 80 88464 82838 71817 ... 20264 84003 93942 000 000	CW	(AB)
M12	23-10	2000	10318	Thu	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	23-10	2020	9218	Thu	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	23-10	2040	8118	Thu	178 178 178 1 880 261 880 261 10124 40113 88677 ... 20345 44092 19439 000 000	CW	(AB)
M12	24-10	0800	10936	Fri	931 931 931 1 5251 165 5251 165 44312 92185 58201 ... 27974 38223 67638 000 000	CW	(AB-KOR)
M12	24-10	0820	10356	Fri	931 931 931 1 5251 165 5251 165 44312 92185 58201 ... 27974 38223 67638 000 000	CW	(AB-KOR)
M12	24-10	0840	9153	Fri	931 931 931 1 5251 165 5251 165 44312 92185 58201 ... 27974 38223 67638 000 000	CW	(AB-KOR)
M12	24-10	1900	11135	Fri	122 122 122 1 2496 201 2496 201 63560 00440 63617 ... 71888 08426 16714 000 000	CW	(AB)
M12	24-10	1920	10235	Fri	122 122 122 1 2496 201 2496 201 63560 00440 63617 ... 71888 08426 16714 000 000	CW	(AB)
M12	24-10	1940	9235	Fri	122 122 122 1 2496 201 2496 201 63560 00440 63617 ... 71888 08426 16714 000 000	CW	(AB)
M12	24-10	2100	7976	Fri	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB/Ringo)

M12	24-10	2120	9152	Fri	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	24-10	2140	10312	Fri	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	25-10	1900	12135	Sat	573 573 573 1 8007 52 8007 52 87918 57353 67717 ... 07597 84567 16029 000 000	CW	(AB)
M12	25-10	1920	11452	Sat	573 573 573 1 8007 52 8007 52 87918 57353 67717 ... 07597 84567 16029 000 000	CW	(AB)
M12	25-10	1940	10627	Sat	573 573 573 1 8007 52 8007 52 87918 57353 67717 ... 07597 84567 16029 000 000	CW	(AB)
M12	25-10	2100	7976	Sat	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	25-10	2120	9152	Sat	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	25-10	2140	10312	Sat	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	27-10	0800	10936	Mon	931 931 931 1 4401 187 4401 187 67348 30997 15538 ... 45507 26370 35838 000 000	CW	(AB-KOR)
M12	27-10	0820	10356	Mon	931 931 931 1 4401 187 4401 187 67348 30997 15538 ... 45507 26370 35838 000 000	CW	(AB-KOR)
M12	27-10	0840	9153	Mon	931 931 931 1 4401 187 4401 187 67348 30997 15538 ... 45507 26370 35838 000 000	CW	(AB-KOR)
M12	27-10	2000	10318	Mon	178 178 178 000	CW	(AB)
M12	27-10	2020	9218	Mon	178 178 178 000	CW	(AB)
M12	28-10	0300	17437	Tue	495 495 495 1 8137 192 8137 192 12782 28266 95595 ... 29160 01707 23143 000 000	CW	(Ringo)
M12	28-10	1100	10713	Tue	657 657 657 1 5729 56 5729 56 00572 58228 17152 ... 99357 00641 10193 000 000	CW	(AB)
M12	28-10	1120	11568	Tue	657 657 657 1 5729 56 5729 56 00572 58228 17152 ... 99357 00641 10193 000 000	CW	(AB)
M12	28-10	1140	12165	Tue	657 657 657 1 5729 56 5729 56 00572 58228 17152 ... 99357 00641 10193 000 000	CW	(AB)
M12	29-10	1900	11135	Wed	Not heard	CW	(AB)
M12	29-10	1900	12135	Wed	573 573 573 1 (too weak to copy)	CW	(AB)
M12	29-10	1920	10235	Wed	Not heard	CW	(AB)
M12	29-10	1920	11452	Wed	573 573 573 1 (too weak to copy)	CW	(AB)
M12	29-10	1940	9235	Wed	Not heard	CW	(AB)
M12	29-10	1940	10627	Wed	573 573 573 1 (too weak to copy)	CW	(AB)
M12	29-10	2310	11517	Wed	254 254 254 000	CW	(RL)
M12	29-10	2310	12217	Wed	254 254 254 000	CW	(RL)
M12	30-10	1800	11564	Thu	258 258 258 1 5146 76 5146 76 99264 36319 20063 ... 96184 88324 29545 000 000	CW	(AB)
M12	30-10	1820	10487	Thu	258 258 258 1 5146 76 5146 76 99264 36319 20063 ... 96184 88324 29545 000 000	CW	(AB)
M12	30-10	1840	9319	Thu	258 258 258 1 5146 76 5146 76 99264 36319 20063 ... 96184 88324 29545 000 000	CW	(AB)
M12	30-10	2000	10318	Thu	178 178 178 000	CW	(AB/RL)
M12	30-10	2020	9218	Thu	178 178 178 000	CW	(AB/RL)
M12	31-10	0800	10936	Fri	931 931 931 1 4401 187 4401 187 67348 30997 15538 ... 45507 26370 35838 000 000	CW	(AB-KOR)
M12	31-10	0820	10356	Fri	931 931 931 1 4401 187 4401 187 67348 30997 15538 ... 45507 26370 35838 000 000	CW	(AB-KOR)
M12	31-10	0840	9153	Fri	931 931 931 1 4401 187 4401 187 67348 30997 15538 ... 45507 26370 35838 000 000	CW	(AB-KOR)
M12	31-10	1900	11135	Fri	Not heard	CW	(AB)
M12	31-10	1920	10235	Fri	Not heard	CW	(AB)
M12	31-10	1940	9235	Fri	Not heard	CW	(AB)
M12	31-10	2100	7976	Fri	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	31-10	2120	9152	Fri	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB)
M12	31-10	2140	10312	Fri	913 913 913 1 7882 207 7882 207 33886 68577 16357 ... 79525 65048 19112 000 000	CW	(AB/RL)
M14	1-10	0500	12211	Wed	952 (5x) then inverted morse, restart at 0505z. 952 348 348 25 25 = = 65266 88471 66210 ... 04364 94825 16640 = = 348 348 25 25 52 952 671 671 34 34 = = 41013 93717 63768 ... 57952 off	CW	(AB-J)

M14	1-10	0520	10243	Wed	952 348 348 25 25 == 65266 88471 66210 ... 04364 94825 16640 == 348 348 25 25 952 348 348 25 25 == 65266 88471 66210 ... 04364 94825 16640 == 348 348 25 25 00000. Message was sent twice	CW	(AB-J)
M14	2-10	0500	12211	Thu	Not monitored	CW	(AB-J)
M14	2-10	0520	10243	Thu	No transmission	CW	(AB-J)
M14	3-10	0500	12211	Fri	Not monitored	CW	(AB-J)
M14	3-10	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	6-10	0500	12211	Mon	952 607 607 54 54 == 77681 97652 03247 ... 31455 75888 31468 == 607 607 54 54 00000	CW	(AB-J)
M14	6-10	0520	10243	Mon	952 607 607 54 54 == 77681 97652 03247 ... 31455 75888 31468 == 607 607 54 54 00000	CW	(AB-J)
M14	6-10	1145	11073	Mon	352 974 974 16 16 == 46287 51401 72730 ... 61009 93586 35934 == 974 16 352 897 897 40 40 == 95025 46201 43086 ... 42330 65308 14273 == 897 897 40 40 00000	USB	(PY)
M14	7-10	0500	12211	Tue	952 607 607 54 54 == 77681 97652 03247 ... 31455 75888 31468 == 607 607 54 54 00000	CW	(AB-J)
M14	7-10	0520	10243	Tue	952 607 607 54 54 == 77681 97652 03247 ... 31455 75888 31468 == 607 607 54 54 00000	CW	(AB-J)
M14	8-10	0500	12211	Wed	952 134 134 50 50 == 12523 83568 38118 ... 70220 61971 18933 == 134 1350 50 50 952 860 860 9 9 == 43076 54954 67483 ... 83059 76360 95491 == 860 860 9 9 00000	CW	(AB-J)
M14	8-10	0520	10243	Wed	952 134 134 50 50 == 12523 83568 38118 ... 70220 61971 18933 == 134 1350 50 50 952 860 860 9 9 == 43076 54954 67483 ... 83059 76360 95491 == 860 860 9 9 00000	CW	(AB-J)
M14	9-10	0500	12211	Thu	952 134 134 50 50 == 12523 83568 38118 ... 70220 61971 18933 == 134 1350 50 50 952 860 860 9 9 == 43076 54954 67483 ... 83059 76360 95491 == 860 860 9 9 00000	CW	(AB-J)
M14	9-10	0520	10243	Thu	952 134 134 50 50 == 12523 83568 38118 ... 70220 61971 18933 == 134 1350 50 50 952 860 860 9 9 == 43076 54954 67483 ... 83059 76360 95491 == 860 860 9 9 00000	CW	(AB-J)
M14	10-10	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	10-10	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	10-10	0930	17458	Fri	617 617 617 00000	CW	(HFD)
M14	13-10	0500	12211	Mon	952 (R4m) 4m8s silence 713 713 54 54 == 03665 10213 50205 ... 23137 66838 32945 == 713 713 54 54 00000	CW	(AB-J)
M14	13-10	0520	10243	Mon	952 713 713 54 54 == 03665 10213 50205 ... 23137 66838 32945 == 713 713 54 54 00000	CW	(AB-J)
M14	14-10	0500	12211	Tue	952 713 713 54 54 == 03665 10213 50205 ... 23137 66838 32945 == 713 713 54 54 00000	CW	(AB-J)
M14	14-10	0520	10243	Tue	952 713 713 54 54 == 03665 10213 50205 ... 23137 66838 32945 == 713 713 54 54 00000	CW	(AB-J)
M14	15-10	0500	12211	Wed	952 460 460 31 31 == 02121 20772 71170 ... 43048 58153 25781 == 460 460 31 31 952 738 738 24 24 == 45434 63315 35999 ... 74198 36273 07038 == 738 738 24 24 00000	CW	(AB)
M14	15-10	0520	10243	Wed	952 460 460 31 31 == 02121 20772 71170 ... 43048 58153 25781 == 460 460 31 31 952 738 738 24 24 == 45434 63315 35999 ... 74198 36273 07038 == 738 738 24 24 00000	CW	(AB)
M14	16-10	0500	12211	Thu	952 460 460 31 31 == 02121 20772 71170 ... 43048 58153 25781 == 460 460 31 31 952 738 738 24 24 == 45434 63315 35999 ... 74198 36273 07038 == 738 738 24 24 00000	CW	(AB)
M14	16-10	0520	10243	Thu	952 460 460 31 31 == 02121 20772 71170 ... 43048 58153 25781 == 460 460 31 31 952 738 738 24 24 == 45434 63315 35999 ... 74198 36273 07038 == 738 738 24 24 00000	CW	(AB)
M14	17-10	0500	12211	Fri	Not monitored	CW	(AB-J)
M14	17-10	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	20-10	0500	12211	Mon	952 847 847 60 = 60 = 64163 80162 43230 ... 38801 28056 73669 847 847 60 60 00000	CW	(AB-J)
M14	20-10	0520	10243	Mon	952 847 847 60 = 60 = 64163 80162 43230 ... 38801 28056 73669 847 847 60 60 00000	CW	(AB-J)
M14	21-10	0500	12211	Tue	952 847 847 60 60 == 64163 80162 43230 ... 38801 28056 73669 847 847 60 60 00000	CW	(AB-J)

M14	21-10	0526	10243	Tue	Started late with group 17: 74374 64704 59533 ... 38801 28056 73669 847 847 60 60 00000	CW	(AB-J)
M14	22-10	0500	12211	Wed	952 610 610 23 23 = = 51972 43359 85435 ... 45205 09844 93123 = = 610 610 23 23 952 478 478 31 31 = = 28997 00436 89772 ... 47202 85510 22635 = = 478 478 31 31 00000. 1st msg 24 groups vs 23 announced, 2nd msg 32 groups	CW	(AB)
M14	22-10	0520	10243	Wed	952 610 610 23 23 = = 51972 43359 85435 ... 45205 09844 93123 = = 610 610 23 23 952 478 478 31 31 = = 28997 00436 89772 ... 47202 85510 22635 = = 478 478 31 31 00000. 1st msg 24 groups vs 23 announced, 2nd msg 32 groups	CW	(AB)
M14	23-10	0500	12211	Thu	No transmission. Series of beeps at 0504z	CW	(AB)
M14	23-10	0520	10243	Thu	952 610 610 24 24 = = 51972 43359 85435 ... 45205 09844 93123 = = 610 610 24 24 952 478 478 32 32 = = 28997 00436 89772 ... 47202 85510 22635 = = 478 478 32 32 00000	CW	(AB)
M14	24-10	0459	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	24-10	0520	10243	Fri	No transmission	CW	(AB-J)
M14	25-10	0930	17458	Sat	617 617 617 00000	CW	(AB/HFD)
M14	27-10	0500	12211	Mon	Briefly FSK CW, then normal CW: 862 468, carrier, 32s silence, restart. 952 361 361 57 57 = = 56892 82448 51328 ... 01365 79830 52241 = = 361 361 57 57 00000	CW	(Subilo)
M14	27-10	0520	10243	Mon	952 361 361 57 57 = = 56892 82448 51328 ... 01365 79830 52241 = = 361 361 57 57 00000	CW	(Subilo)
M14	28-10	0500	12211	Tue	No transmission	CW	(Subilo)
M14	28-10	0520	10243	Tue	No transmission	CW	(Subilo)
M14	29-10	0500	12211	Wed	No transmission	CW	(Subilo)
M14	29-10	0520	10243	Wed	No transmission	CW	(Subilo)
M14	30-10	0500	12211	Thu	952 487 487 25 25 = = 42345 94565 36973 ... 59163 37988 10964 = = 487 487 25 25 952 130 130 25 25 = = 91136 05974 99187 ... 70090 84557 30388 = = 130 130 25 25 00000	CW	(Subilo)
M14	30-10	0520	10243	Thu	952 487 487 25 25 = = 42345 94565 36973 ... 59163 37988 10964 = = 487 487 25 25 952 130 130 25 25 = = 91136 05974 99187 ... 70090 84557 30388 = = 130 130 25 25 00000	CW	(Subilo)
M14	31-10	0500	12211	Fri	952 487 487 25 25 = = 42345 94565 36973 ... 59163 37988 10964 = = 487 487 25 25 952 130 130 25 25 = = 91136 05974 99187 ... 70090 84557 30388 = = 130 130 25 25 00000	CW	(Subilo)
M14	31-10	0520	10243	Fri	No transmission	CW	(Subilo)
M21	22-10	1537	4831	Wed	Russian air defence =991837??8?????	CW	(TJ)
M23	1-10	1500	12170	Wed	8 (R16m)	CW	(AB)
M23	1-10	1520	12170	Wed	8 (R16m)	CW	(AB)
M23	1-10	1540	12170	Wed	8 (R16m)	CW	(AB)
M23	1-10	1600	12170	Wed	8 (R16m)	CW	(AB)
M23	1-10	1620	12170	Wed	8 (R16m)	CW	(AB)
M23	1-10	1640	12170	Wed	8 (R16m)	CW	(AB)
M42	2-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Message header: 11100 70103 15948 02132 04009	FSK 75/500	(AB)
M42	2-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Too weak to decode	FSK 75/500	(AB-USA)
M42	2-10	1424	16313	Thu	Russian diplo	Serdolik v2	(AB)
M42	2-10	1437	16313	Thu	Russian diplo	Serdolik v2	(AB)
M42	2-10	1529	14820	Thu	Russian diplo	MFSK-66	(AB)
M42	9-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Message header: 11100 70103 91357 09135 04009	FSK 75/500	(AB)

M42	9-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Message header: 11100 70103 25478 09135 04003	FSK 75/500	(AB-USA)
M42	13-10	0813	17466	Mon	Russian diplo	MFSK-66	(AB)
M42	13-10	0814	17467	Mon	Russian diplo. Started on top of MFSK-66. At 0815 X06a 616161 on the same freq.	Serdolik V2	(AB)
M42	13-10	0820	17467	Mon	Russian diplo. Test. X06b 116611 on the same freq.	Serdolik V2	(AB)
M42	13-10	0921	14689	Mon	Russian diplo. Selcal	Serdolik V2	(AB)
M42	13-10	0933	19274	Mon	Russian diplo	Serdolik V2	(AB)
M42	14-10	0953	13967	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-10	0957	13967	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-10	1000	13967	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-10	1002	13967	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-10	1005	13967	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	14-10	1017	13963	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	14-10	1037	13963	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	14-10	1040	13963	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	14-10	1056	13963	Tue	Russian diplo	Serdolik v2	(AB)
M42	16-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Freq change to 20115 kHz at 1304z	FSK 75/500	(AB)
M42	16-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 29473 16140 04003	FSK 75/500	(AB-USA)
M42	16-10	1304	20115	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 25813 16140 04009	FSK 75/500	(AB)
M42	17-10	0956	19481	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	0957	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	0957	18325	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1000	18325	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1001	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1002	19481	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1003	18325	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1004	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1005	19481	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1006	18325	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1008	16304	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1009	19481	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	17-10	1010	19479	Fri	Russian diplo	Serdolik v2	(AB)
M42	17-10	1026	19479	Fri	Russian diplo	Serdolik v2	(AB)
M42	17-10	1259	14698	Fri	Russian diplo	MFSK-66	(AB)
M42	23-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 61954 23145 04009	FSK 75/500	(AB)
M42	23-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 25478 23145 04003	FSK 75/500	(AB-USA)
M42	30-10	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Switched to 20115 kHz at 1312z	FSK 75/500	(AB)

M42	30-10	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 24865 30150 04003	FSK 75/500	(AB-USA)
M42	30-10	1312	20115	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Message header: 11100 70103 82465 30150 04009	FSK 75/500	(AB)
M42b	1-10	0800	13922	Wed	SX3H: Russian intel/diplo clg F5KA after initial string of VVVs at 0756z Switching to unid freq. F5KA on 14456 kHz	CW	(TJ)
M42b	1-10	0800	13922	Wed	Russian intel/diplo clg MG40, sender ID to weak to copy. Switching to 59004 (unknown freq) MG40 barely audible on 14456 kHz	CW	(TJ)
M42b	6-10	0720	8115	Mon	Russian PtP link 121747 callup: 121747 (R) VVV RYF2 RYF2 RYF2 DE RWI RWI HRKP ZOR K, then reversals	FSK 50/500	(AB)
M42b	6-10	0810	15870	Mon	BK QWQ (R)	FSK 50/500	(AB)
M42b	8-10	0657	14756.75	Wed	Unid Russian diplo/intel. Link partner is at 14803 kHz. No traffic observed	FSK 50/500	(TJ)
M42b	8-10	0657	14803	Wed	Unid Russian diplo/intel. QSX 14756.75 kHz	FSK 50/500	(TJ)
M42b	9-10	0759	13922	Thu	FA3C: Russian diplo/intel linking with partner at 14456 kHz	CW	(TJ)
M42b	9-10	0801	14456	Thu	G1ZE: Russian diplo/intel. Message with =50= and =100= separators, preceded by an unusual header; "link px 20222222"	FSK 50/500	(TJ)
M42b	13-10	0908	17427	Mon	KFUJ RTHZLQPCAUJ RKFWLQPTHE OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO(repeated)	FSK 50/500	(AB)
M42b	14-10	0653	13870	Tue	RVQ4: Russian PtP link 121745. QSX 11065 kHz (RWB3)	FSK 50/500	(TJ)
M42b	14-10	0700	17475	Tue	RTK2: Russian PtP link wkg RGY2 on 11470 kHz	FSK 50/500	(TJ)
M42b	14-10	0703	15940	Tue	RPD2: Russian PtP link wkg REA9 on 15870 kHz. REA9 uses FSK 50/500	FSK 25/500	(TJ)
M42b	14-10	0802	14780	Tue	RWI2: Russian PtP link wkg RHK6: rhk6 de rwi2 qrk? k ... rhk6 de rwi2 qrk 0 znn gb sk	FSK 50/500	(TJ)
M42b	16-10	0627	14780	Thu	Russian PtP link 121743: VVV RHK6 RHK6 RHK6 DE RWI2 RWI2	FSK 50/500	(AB)
M42b	17-10	0759	14456	Fri	Russian intel/diplo. Long sequences with fast morse (app 30wpm), prob rebroadcast of failed F1B transmission.	FSK 50/500	(TJ)
M42b	17-10	0822	7900	Fri	RNI2: Russian PtP link 121750 sending identifier 121750 then into revs, linked with RNV2 on 5735 kHz	FSK 50/500	(TJ)
M42b	21-10	0953	6319	Tue	Russian diplo/intel. Message header: 2 106 50 21 0937 1254 =	CW + FSK 50/500	(TJ)
M42b	29-10	----	8072	Wed	Russian diplo/intel. BVBK wkg HKDR: hkdr hkdr hkdr de bvbk bvbk qsa no qsy 52641 qsy 52641 k but keeps on calling on 8072 without response fm HKDR	CW	(TJ)
M42b	30-10	1230	14941	Thu	KFUJ RTHZLQPCAUJ RKFWLQPTHE OOOOOOOOOOOOOOOOOOOOOOOOOOO (repeated)	FSK 50/500	(AB)
M42b	30-10	1244	7625	Thu	Russian diplo/intel. HKDR wkg BVBK on 8072 kHz, asks BVK to qsy 53255 qsa no qsy 53255, then qtc 1 zcc. Msg header 460 100 30 1235 3579 = ...	CW + FSK 50/500	(TJ)
M42b	30-10	1244	8072	Thu	Russian diplo/intel. BVBK wkg HKDR: qsa4 qsa?, HKDR on 7625 kHz has problems hearing BVBK and requests QSY 53255	CW	(TJ)
M42b	31-10	----	8072	Fri	Russian diplo/intel. BVBK msg to HKDR on 7625 kHz	CW + FSK 50/500	(TJ)
M89	1-10	1050	5672	Wed	V Y3JI DE N6WX	CW	(JPL)
M89	2-10	1701	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	2-10	1701	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	2-10	1710	4610	Thu	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	2-10	1713	5672	Thu	V Y3JI DE N6WX	CW	(JPL)

M89	2-10	1720	4860	Thu	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	2-10	1720	6840	Thu	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	2-10	1758	7768	Thu	V Y3JI DE N6WX	CW	(JPL)
M89	3-10	1220	4860	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	3-10	1220	6840	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	3-10	1226	5672	Fri	V Y3JI DE N6WX	CW	(JPL)
M89	3-10	1226	7768	Fri	V Y3JI DE N6WX	CW	(JPL)
M89	3-10	1230	4720	Fri	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	3-10	1230	5150	Fri	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	3-10	1230	5680	Fri	GHB DE WLC (R5) QSA ? K	CW	(JPL)
M89	3-10	1240	5450	Fri	YIG (x3) DE CQ2 (x2) (R5) QSA ? K	CW	(JPL)
M89	4-10	1120	5742	Sat	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	4-10	1120	8375	Sat	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	4-10	1120	12124	Sat	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	4-10	1548	5672	Sat	V Y3JI DE N6WX	CW	(JPL)
M89	4-10	1548	7768	Sat	V Y3JI DE N6WX	CW	(JPL)
M89	4-10	1552	4610	Sat	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	4-10	1606	4572	Sat	i.p.	CW	(JPL)
M89	4-10	1610	4925	Sat	i.p. NR ... CK 1005 0000 RMKS 2348 TO 0363 =	CW	(JPL)
M89	4-10	2325	8375	Sat	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	4-10	2325	12124	Sat	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	5-10	1118	8375	Sun	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	5-10	1118	12124	Sun	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	5-10	1120	4860	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	5-10	1120	6840	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	5-10	1144	8324	Sun	i.p.	CW	(JPL)
M89	5-10	1203	5672	Sun	V Y3JI DE N6WX	CW	(JPL)
M89	5-10	1203	7768	Sun	V Y3JI DE N6WX	CW	(JPL)
M89	5-10	1208	4357	Sun	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	5-10	1208	5742	Sun	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	5-10	1630	4720	Sun	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-10	1630	5150	Sun	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-10	1636	4610	Sun	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	5-10	1640	4850	Sun	VVV KNG (x3) DE CQ2 (X2) (R5) QSA ? K	CW	(JPL)
M89	5-10	1640	5450	Sun	VVV KNG (x3) DE CQ2 (X2) (R5) QSA ? K	CW	(JPL)
M89	5-10	1653	5672	Sun	V Y3JI DE N6WX	CW	(JPL)
M89	5-10	1653	7768	Sun	V Y3JI DE N6WX	CW	(JPL)
M89	7-10	1153	4357	Tue	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	7-10	1153	5742	Tue	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	7-10	1153	8375	Tue	V 3JWV (x3) DE QSV (x2)	CW	(JPL)
M89	7-10	1205	5314	Tue	V QEPL (x3) DE ACRP (x2)	CW	(JPL)
M89	7-10	1221	4357	Tue	V 3JWV (x3) DE QSV (x2) = 503/3345/3666/36/61/7646/369/B AR	CW	(JPL)

M89	8-10	1520	4860	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	8-10	1520	6840	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	8-10	1525	5672	Wed	V Y3JI DE N6WX	CW	(JPL)
M89	8-10	1525	7768	Wed	V Y3JI DE N6WX	CW	(JPL)
M89	8-10	1530	4720	Wed	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	8-10	1530	5150	Wed	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	8-10	1538	3968	Wed	i.p. NR 021 0000 = RMKS 3139 TO 3188 = CYM/1830/CY9805/2038/386/33 AR	CW	(JPL)
M89	8-10	1540	4850	Wed	VVV KNG (x3) DE CQ2 (X2) (R5) QSA ? K	CW	(JPL)
M89	8-10	1540	5450	Wed	VVV KNG (x3) DE CQ2 (X2) (R5) QSA ? K	CW	(JPL)
M89	8-10	1747	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	8-10	1747	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	9-10	1649	5672	Thu	V Y3JI DE N6WX	CW	(JPL)
M89	9-10	1649	7768	Thu	V Y3JI DE N6WX	CW	(JPL)
M89	9-10	1653	4610	Thu	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	9-10	1655	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	9-10	1655	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	10-10	1608	4045	Fri	i.p.	CW	(JPL)
M89	10-10	1621	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	10-10	1621	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	10-10	1630	5150	Fri	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	10-10	1641	5972	Fri	i.p. NR 430./CCK CK 713 A NIL K	CW	(JPL)
M89	11-10	1011	8130	Sat	i.p. NR 2240 CK 72 11 1010 1905 RMKS 3650 TO 3679 = NR 5008 CK 72 11 1010 1906 RMKS 3679 TO 3650 =	CW	(JPL)
M89	11-10	1119	7545	Sat	i.p.	CW	(JPL)
M89	11-10	1120	4860	Sat	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	11-10	1120	6840	Sat	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	14-10	1020	6840	Tue	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	14-10	1020	8290	Tue	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	14-10	1028	8375	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	14-10	1028	12124	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	14-10	1030	7620	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	14-10	1030	8350	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	14-10	1043	9145	Tue	i.p. RMKS CQ =	CW	(JPL)
M89	14-10	1055	6823	Tue	i.p. NR 064/EX = 4QIO/..... BTQSY 83 QSY 84 VV	CW	(JPL)
M89	14-10	1100	5543	Tue	i.p. NR 1241/EX 1900 = U9DJ/TO8 AR QSY 01 QSY 01 VV	CW	(JPL)
M89	14-10	1103	5244	Tue	i.p. NR 3221/EX 1903 = B3SJ/Y6K0 AR QSY 02 QSY 02 VV	CW	(JPL)
M89	14-10	1112	5750	Tue	VVV AYL (x3) DE M5W (x2) (R5) QSA ? K	CW	(JPL)
M89	14-10	1117	5807	Tue	i.p.	CW	(JPL)
M89	14-10	1118	5880	Tue	i.p.	CW	(JPL)
M89	14-10	1220	4860	Tue	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	14-10	1220	6840	Tue	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	14-10	1227	6822	Tue	i.p.	CW	(JPL)

M89	14-10	1229	5123	Tue	i.p.	CW	(JPL)
M89	14-10	1230	4720	Tue	VVV WNF (x3) DE FXM (X2) (R5) QSA ? K	CW	(JPL)
M89	14-10	1230	5150	Tue	VVV WNF (x3) DE FXM (X2) (R5) QSA ? K	CW	(JPL)
M89	14-10	1300	9033	Tue	i.p.	CW	(JPL)
M89	14-10	1609	4357	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	14-10	1609	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	14-10	1620	4680	Tue	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	14-10	1620	6840	Tue	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	15-10	1220	4680	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	15-10	1220	6840	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	15-10	1227	6889	Wed	i.p.	CW	(JPL)
M89	15-10	1232	4344	Wed	i.p.	CW	(JPL)
M89	15-10	1238	4451	Wed	i.p.	CW	(JPL)
M89	15-10	1248	5205.5	Wed	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	15-10	1253	5815	Wed	i.p.	CW	(JPL)
M89	15-10	1305	7142	Wed	i.p. NR 3006 CK 73 11 1015 2050 RMKS 3614 TO 3640 =	CW	(JPL)
M89	15-10	1315	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	15-10	1315	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	15-10	1319	3374	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	15-10	1320	4680	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	15-10	1320	6840	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	15-10	1339	4455	Wed	i.p.	CW	(JPL)
M89	15-10	1343	4610	Wed	V QEPL (x3) DE ACRP (x2)	CW	(JPL)
M89	15-10	1354	4775	Wed	i.p. NR 4029 CK 72 31 1015 2120 RMKS 3679 TO 3615 =	CW	(JPL)
M89	15-10	1357	4922	Wed	i.p.	CW	(JPL)
M89	16-10	1608	3374	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	16-10	1608	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	16-10	1608	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	16-10	1615	4287	Thu	i.p.	CW	(JPL)
M89	16-10	1620	4680	Thu	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	16-10	1620	6840	Thu	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	17-10	1130	4720	Fri	VVV WNF (x3) DE FXM (X2) (R5) QSA ? K	CW	(JPL)
M89	17-10	1130	5150	Fri	VVV WNF (x3) DE FXM (X2) (R5) QSA ? K	CW	(JPL)
M89	17-10	1233	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	17-10	1233	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	17-10	1233	8375	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	17-10	1237	4610	Fri	V QEPL (x3) DE ACRP (x2)	CW	(JPL)
M89	17-10	1608	3374	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	17-10	1608	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	17-10	1608	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	17-10	1610	4610	Fri	V QEPL (x3) DE ACRP (x2)	CW	(JPL)
M89	17-10	1628	5205.5	Fri	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)

M89	17-10	1634	5741	Fri	i.p. NR 0180 CK 121 42 1010 0000 RMKS 9887 TO 9558 =	CW	(JPL)
M89	17-10	1640	6886	Fri	i.p.	CW	(JPL)
M89	20-10	1232	4357	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	20-10	1232	5742	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	20-10	1237	7768	Mon	V Y3JI DE N6WX	CW	(JPL)
M89	20-10	1240	5314	Mon	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	22-10	1811	4610	Wed	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	22-10	1815	3374	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	22-10	1815	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	22-10	1820	4680	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	22-10	1820	6840	Wed	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	22-10	1828	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	22-10	1833	5205.5	Wed	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	22-10	1842	7710	Wed	i.p.	CW	(JPL)
M89	23-10	1102	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-10	1102	8375	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-10	1110	8164	Thu	i.p.	CW	(JPL)
M89	23-10	1119	6857	Thu	i.p.	CW	(JPL)
M89	23-10	1120	4680	Thu	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	23-10	1120	6840	Thu	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	23-10	1628	5205.5	Thu	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	23-10	1630	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-10	1630	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-10	1638	5314	Thu	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	24-10	1112	8093	Fri	i.p. 1024 1900 RMKS .476 TO 2853 K	CW	(JPL)
M89	24-10	1119	6875	Fri	i.p.	CW	(JPL)
M89	24-10	1139	3374	Fri	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	24-10	1139	3374	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-10	1139	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-10	1139	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-10	1139	5314	Fri	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	24-10	1139	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-10	1211	6565	Fri	i.p.	CW	(JPL)
M89	24-10	1215	6479	Fri	i.p.	CW	(JPL)
M89	24-10	1220	5761	Fri	i.p. FFF NR 008/EX 0821 = B1LA/FM5H AR 583/3950/3666/36/72/3665/372/B AR 383/3346/36855/63...AR .46/36666/379/3926/41/77/78/8/364/70 AR	CW	(JPL)
M89	24-10	1648	3528	Fri	i.p.	CW	(JPL)
M89	24-10	1701	4610	Fri	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	24-10	1720	4680	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	24-10	1720	6840	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	25-10	1108	3374	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	25-10	1108	4357	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)

M89	25-10	1108	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	25-10	1120	4680	Sat	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	25-10	1120	6840	Sat	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	25-10	1638	5205.5	Sat	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	25-10	1640	4610	Sat	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	26-10	1120	4680	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	26-10	1120	6840	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	26-10	1219	5205.5	Sun	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	26-10	1220	4680	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	26-10	1220	6840	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	26-10	1222	4610	Sun	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	26-10	1224	3374	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	26-10	1224	4357	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	26-10	1224	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	26-10	1722	4610	Sun	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	26-10	1725	5205.5	Sun	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	26-10	1726	3374	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	26-10	1726	4357	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	26-10	1726	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	26-10	1735	4680	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	26-10	1735	6840	Sun	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	27-10	1136	7518	Mon	FFF NR 1071/EX 1936 RMKS 7900 TO 7903 = U4W/M3N AR NR 6950 CK 89 42 1027 1930 RMKS 7903 TO 7900 =	CW	(JPL)
M89	28-10	1110	5750	Tue	VVV AYL (x3) DE M5W (x2) (R5) QSA ? K (calls are unsure)	CW	(JPL)
M89	28-10	1728	3374	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-10	1728	4357	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-10	1728	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-10	1738	4610	Tue	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	28-10	1741	5205.5	Tue	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	31-10	1255	4680	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	31-10	1255	6840	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	31-10	1328	3374	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-10	1328	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-10	1328	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-10	1336	5205.5	Fri	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M =	CW	(JPL)
M89	31-10	1632	4610	Fri	V QJPL (x3) DE 5CRP (x2)	CW	(JPL)
M89	31-10	1655	4680	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M89	31-10	1655	6840	Fri	V Q2M (x3) DE NY (x2) (R5)	CW	(JPL)
M95	2-10	1700	3903	Thu	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	2-10	1700	6886	Thu	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	3-10	1155	4542	Fri	V BNGC DE XS30 - NR 0934 CK 054 35 1003 1555 = NR 0935 CK 055 35 1003 1602 = NR 0936 CK 885 35 1003 1610 = //6876 kHz	CW	(JPL)

M95	3-10	1155	6876	Fri	V BNGC DE XS30 - NR 0934 CK 054 35 1003 1555 = NR 0935 CK 055 35 1003 1602 = NR 0936 CK 885 35 1003 1610 = //4542 kHz	CW	(JPL)
M95	3-10	1205	4156	Fri	i.p. NR 035 CK 22 35 1003 1650 = //9042 kHz	CW	(JPL)
M95	3-10	1205	9042	Fri	i.p. NR 035 CK 22 35 1003 1650 = //4156 kHz	CW	(JPL)
M95	3-10	1215	7768	Fri	V Y3JI DE N6WX	CW	(JPL)
M95	3-10	1241	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-10	1137	6871	Sat	i.p. F NR 515/EX 1938 RMKS 2341 TO 2245 = SDS/07 AR NR 5153 CK 51 22 1004 1930 RMKS 2241 TO 2245 =	CW	(JPL)
M95	4-10	1143	4542	Sat	V BNGC DE XS30 - NR 0941 CK 601 35 1004 1536 = //6876 kHz	CW	(JPL)
M95	4-10	1143	6876	Sat	V BNGC DE XS30 - NR 0941 CK 601 35 1004 1536 = //4542 kHz	CW	(JPL)
M95	4-10	1151	9042	Sat	i.p. NR 037 CK 29 35 1004 1448 = NR 08 CK 175 35 1004 1539 =	CW	(JPL)
M95	4-10	1557	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-10	1557	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-10	2348	9042	Sat	NR 039 CK 28 35 1005 0606 = NR 09 CK 070 35 1005 0651 =	CW	(JPL)
M95	5-10	0010	4542	Sun	V BNGC DE XS30 - NR 0944 CK 064 35 1005 0655 = //6876 kHz	CW	(JPL)
M95	5-10	0010	6876	Sun	V BNGC DE XS30 - NR 0944 CK 064 35 1005 0655 = //4542 kHz	CW	(JPL)
M95	5-10	1141	4542	Sun	V BNGC DE XS30 - NR //6876 kHz	CW	(JPL)
M95	5-10	1141	6876	Sun	V BNGC DE XS30 - NR //4542 kHz	CW	(JPL)
M95	5-10	1153	4156	Sun	NR 039 CK 37 35 1005 1502 = NR 041 CK 27 35 1005 1516 = NR 10 CK 173 35 1005 1535 = //9042 kHz	CW	(JPL)
M95	5-10	1153	9042	Sun	NR 039 CK 37 35 1005 1502 = NR 041 CK 27 35 1005 1516 = NR 10 CK 173 35 1005 1535 = //4156 kHz	CW	(JPL)
M95	5-10	1628	3903	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-10	1628	6886	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	8-10	1521	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	8-10	1521	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	8-10	1758	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	8-10	1758	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-10	1657	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	9-10	1657	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	11-10	1131	6876	Sat	V BNGC DE XS30 - NR 0963 CK 223 35 1011 1543 =	CW	(JPL)
M95	11-10	1147	4245	Sat	V BNGC DE XS30 //6876 kHz	CW	(JPL)
M95	11-10	1150	4156	Sat	NR 051 CK 24 35 1011 1448 = NR 22 CK 130 35 1011 1514 = //9042 kHz	CW	(JPL)
M95	14-10	1147	6876	Tue	V BNGC DE XS30 //4542 kHz	CW	(JPL)
M95	14-10	1155	4156	Tue	NR 28 CK 171 35 1014 1544 = //9042 kHz	CW	(JPL)
M95	14-10	1155	9042	Tue	NR 28 CK 171 35 1014 1544 = //4156 kHz	CW	(JPL)
M95	17-10	1203	4542	Fri	V BNGC DE XS30 - NR 0985 CK 609 35 1017 1622 = //6876 kHz	CW	(JPL)
M95	17-10	1203	6876	Fri	V BNGC DE XS30 - NR 0985 CK 609 35 1017 1622 = //4542 kHz	CW	(JPL)
M95	17-10	1207	4156	Fri	NR 063 CK 62 35 1017 1535 = NR 079 CK 26 35 1017 1600 = NR 080 CK 13 35 1017 1603 = //9042 kHz	CW	(JPL)
M95	17-10	1207	9042	Fri	NR 063 CK 62 35 1017 1535 = NR 079 CK 26 35 1017 1600 = NR 080 CK 13 35 1017 1603 = //4156 kHz	CW	(JPL)

M95	20-10	1153	4542	Mon	V BNGC DE XS30 NR 0992 CK 869 35 1020 1648 = //6876 kHz	CW	(JPL)
M95	20-10	1153	6876	Mon	V BNGC DE XS30 NR 0992 CK 869 35 1020 1648 = //4542 kHz	CW	(JPL)
M95	20-10	1155	4156	Mon	NR 40 CK 150 35 1020 1531 = NR 069 CK 49 35 1020 1545 = //4156 kHz9042 kHz	CW	(JPL)
M95	20-10	1155	9042	Mon	NR 40 CK 150 35 1020 1531 = NR 069 CK 49 35 1020 1545 = //4156 kHz	CW	(JPL)
M95	20-10	1235	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-10	1806	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-10	1806	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1106	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1106	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1106	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1148	6876	Thu	V BNGC DE XS30 NR 1007 CK 039 35 1023 1504 = NR 1008 CK 049 35 1023 1642 = NR 1009 CK 605 35 1023 1643 = //4542 kHz	CW	(JPL)
M95	23-10	1150	9042	Thu	NR 085 CK 56 35 1028 1518 = NR 56 CK 160 35 1028 1527 =	CW	(JPL)
M95	23-10	1159	4156	Thu	NR 002 CK 18 35 1023 1538 = NR 075 CK 45 35 1023 1554 = //9052 kHz	CW	(JPL)
M95	23-10	1159	9042	Thu	NR 002 CK 18 35 1023 1538 = NR 075 CK 45 35 1023 1554 = //4156 kHz	CW	(JPL)
M95	23-10	1626	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-10	1626	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	24-10	1137	6557	Fri	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner Japan) JPL FRI	CW	(JPL)
M95	24-10	1137	11475	Fri	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner Japan) JPL FRI	CW	(JPL)
M95	24-10	1142	4156	Fri	NR 077 CK 23 35 1024 1453 = NR 48 CK 115 35 1024 1522 = NR 005 CK 23 35 1024 1642 = //9042 kHz	CW	(JPL)
M95	24-10	1142	9042	Fri	NR 077 CK 23 35 1024 1453 = NR 48 CK 115 35 1024 1522 = NR 005 CK 23 35 1024 1642 = //4156 kHz	CW	(JPL)
M95	24-10	1655	3903	Fri	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner South Korea) JPL FRI	CW	(JPL)
M95	24-10	1655	6886	Fri	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner South Korea) JPL FRI	CW	(JPL)
M95	25-10	1109	6557	Sat	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner Taiwan) JPL SAT	CW	(JPL)
M95	25-10	1109	11475	Sat	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner Taiwan) JPL SAT	CW	(JPL)
M95	25-10	1135	4542	Sat	V BNGC DE XS30 NR 1016 CK .45 35 1025 16.6 = //6876 kHz	CW	(JPL)
M95	25-10	1135	6876	Sat	V BNGC DE XS30 NR 1016 CK .45 35 1025 16.6 = //4542 kHz	CW	(JPL)
M95	25-10	1151	4156	Sat	NR 079 CK 51 35 1025 1517 = NR 50 CK 180 35 1025 1521 = //9042 kHz	CW	(JPL)
M95	25-10	1151	9042	Sat	NR 079 CK 51 35 1025 1517 = NR 50 CK 180 35 1025 1521 = //4156 kHz	CW	(JPL)
M95	25-10	1641	3903	Sat	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner South Korea) JPL SAT	CW	(JPL)
M95	25-10	1641	6886	Sat	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner South Korea) JPL SAT	CW	(JPL)
M95	26-10	1146	4542	Sun	V BNGC DE XS30 NR 1020 CK 543 35 1026 1555 = //6876 kHz	CW	(JPL)
M95	26-10	1146	6876	Sun	V BNGC DE XS30 NR 1020 CK 543 35 1026 1555 = //4542	CW	(JPL)
M95	26-10	1150	4156	Sun	NR 52 CK 165 35 1026 1504 = NR 081 CK .5 35 1026 1544 = NR 011 CK 31 35 1026 1519 = //9042 kHz	CW	(JPL)
M95	26-10	1150	9042	Sun	NR 52 CK 165 35 1026 1504 = NR 081 CK .5 35 1026 1544 = NR 011 CK 31 35 1026 1519 = //4156 kHz	CW	(JPL)
M95	26-10	1719	3903	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	26-10	1719	6886	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	27-10	1139	4542	Mon	V BNGC DE XS30 NR 1025 CK 35 35 1028 1603 = //6876 kHz	CW	(JPL)

M95	27-10	1139	6876	Mon	V BNGC DE XS30 NR 1025 CK 35 35 1028 1603 = //4542 kHz	CW	(JPL)
M95	28-10	1118	8888	Tue	i.p. FFF NR 001/EX 1920 RMKS 8220 TO 8223 = NP34/CS 4 AR FFF NR 034/EX 1925 RMKS 8223 TO 8220 = BC3Y/AE4H AR FFF NR 003 CK 49 33 1028 1929 RMKS 8223 TO 8220 =	CW	(JPL)
M95	28-10	1145	4542	Tue	V BNGC DE XS30 NR 1028 CK 509 35 1028 1625 = etc //6876 kHz	CW	(JPL)
M95	28-10	1145	6876	Tue	V BNGC DE XS30 NR 1028 CK 509 35 1028 1625 = etc //4542 kHz	CW	(JPL)
M95	28-10	1732	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-10	1732	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-10	1325	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-10	1325	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
P03	1-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	1-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	1-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	1-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	1-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	1-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	1-10	1345	9960	Wed	Polish intel.	PSK	(AB)
P03	1-10	1350	9960	Wed	Polish intel.	PSK	(AB)
P03	2-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	2-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	3-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	3-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	3-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	3-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	3-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	3-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	3-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	3-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	4-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	4-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	4-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	4-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	4-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	4-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	5-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	5-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	5-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	5-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	5-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	5-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	5-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	5-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	5-10	1245	6940	Sun	Polish intel.	PSK	(AB)

P03	5-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	5-10	1328	6940	Sun	Polish intel. Unscheduled	PSK	(AB)
P03	5-10	1333	6940	Sun	Polish intel. Unscheduled	PSK	(AB)
P03	5-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	5-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	5-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	5-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	5-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	5-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	6-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	6-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	6-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	6-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	7-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	7-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	7-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	7-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	7-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	7-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	7-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	7-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	8-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	8-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	8-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	8-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	8-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	8-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	8-10	1345	9960	Wed	Polish intel.	PSK	(AB)
P03	8-10	1350	9960	Wed	Polish intel.	PSK	(AB)
P03	9-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	9-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	9-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	9-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	10-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	10-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	10-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	10-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	10-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	10-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	10-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	10-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	11-10	1020	6280	Sat	Polish intel.	PSK	(AB)

P03	11-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	11-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	11-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	11-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	11-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	12-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	12-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	12-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	12-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	12-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	12-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	12-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	12-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	12-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	12-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	12-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	12-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	13-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	13-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	13-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	13-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	14-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	14-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	14-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	14-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	14-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	14-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	14-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	14-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	15-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	15-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	15-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	15-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	15-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	15-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	15-10	1345	9960	Wed	Polish intel.	PSK	(AB)
P03	15-10	1350	9960	Wed	Polish intel.	PSK	(AB)
P03	16-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	16-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	16-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	16-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	17-10	0530	8800	Fri	Polish intel.	PSK	(AB)

P03	17-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	17-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	17-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	17-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	17-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	17-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	17-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	18-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	18-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	18-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	18-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	18-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	18-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	19-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	19-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	19-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	19-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	19-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	19-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	19-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	19-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	19-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	19-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	19-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	19-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	19-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	19-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	20-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	20-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	20-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	20-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	21-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	21-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	21-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	21-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	21-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	21-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	21-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	21-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	22-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	22-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	22-10	1100	11581	Wed	Polish intel.	PSK	(AB)

P03	22-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	22-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	22-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	22-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	22-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	22-10	1345	9960	Wed	Polish intel.	PSK	(AB)
P03	22-10	1350	9960	Wed	Polish intel.	PSK	(AB)
P03	23-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	23-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	23-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	23-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	23-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	23-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	24-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	24-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	24-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	24-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	24-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	24-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	24-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	24-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	25-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	25-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	25-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	25-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	25-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	25-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	26-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	26-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	26-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	26-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	26-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	26-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	26-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	26-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	26-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	26-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	26-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	26-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	26-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	26-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	27-10	1030	13046	Mon	Polish intel.	PSK	(AB)

P03	27-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	27-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	27-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	28-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	28-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	28-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	28-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	28-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	28-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	28-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	28-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	29-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	29-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	29-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	29-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	29-10	1345	9960	Wed	Polish intel.	PSK	(AB)
P03	29-10	1350	9960	Wed	Polish intel.	PSK	(AB)
P03	30-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	30-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	31-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	31-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	31-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	31-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	31-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	31-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	31-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	31-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03g	2-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	2-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	28-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03k	1-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	25-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	2-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-10	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	9-10	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	9-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	14-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-10	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	16-10	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	16-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	20-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	20-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	21-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-10	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-10	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	23-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	1-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-10	1430	8184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-10	1430	8184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-10	1430	8184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-10	1430	8184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1430	8184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	19-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-10	1430	8184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1430	8184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-10	1430	8184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1430	8184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	3-10	1134	4542	Fri	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-10	1134	6876	Fri	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	4-10	1134	4542	Sat	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	4-10	1134	6876	Sat	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	4-10	2342	9042	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-10	0002	4542	Sun	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-10	0002	6876	Sun	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-10	1133	4542	Sun	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-10	1133	6876	Sun	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	7-10	0900	20202	Tue	CWP7 CWP7 CWP7 DE PN7B PN7B PN7B XYXYXYXYXY HR CCK /	4+4 QPSK 75/1000 LSB	(EW)
Q26	11-10	1143	4156	Sat	Message //9042 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-10	1143	9042	Sat	Message //NR 051 CK 24 35 1011 1448 = NR 22 CK 130 35 1011 1514 = //4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-10	1143	9042	Sat	Message //4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-10	1143	4245	Tue	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-10	1143	6876	Tue	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-10	1135	4542	Fri	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-10	1135	6876	Fri	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	20-10	1132	4542	Mon	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	20-10	1132	6876	Mon	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)

Q26	22-10	1818	3755	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-10	1133	6876	Thu	Message//4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-10	1142	4156	Fri	Message //9042 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-10	1142	9042	Fri	Message //4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	25-10	1131	4542	Sat	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	25-10	1131	6876	Sat	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-10	1133	4542	Sun	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-10	1133	6876	Sun	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-10	1150	4156	Sun	Message //9042 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-10	1150	9042	Sun	Message //4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-10	1214	4122	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	27-10	1131	4542	Mon	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	27-10	1131	6876	Mon	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-10	1131	4542	Tue	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-10	1131	6876	Tue	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
S06	1-10	0400	11616	Wed	480 351 29 30969 97913 04902 ... 04576 24580 35662 351 29 480 796 25 97547 10674 77786 ... 79709 29852 46252 796 25 00000	USB	(Subilo)
S06	1-10	0420	9322	Wed	480 351 29 30969 97913 04902 ... 04576 24580 35662 351 29 480 796 25 97547 10674 77786 ... 79709 29852 46252 796 25 00000	USB	(Subilo)
S06	2-10	0400	11616	Thu	480 351 29 30969 97913 04902 ... 04576 24580 35662 351 29 480 796 25 97547 10674 77786 ... 79709 29852 46252 796 25 00000	USB	(Subilo)
S06	2-10	0420	9322	Thu	480 351 29 30969 97913 04902 ... 04576 24580 35662 351 29 480 796 25 97547 10674 77786 ... 79709 29852 46252 796 25 00000	USB	(Subilo)
S06	3-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	3-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	3-10	2000	9925	Fri	842 842 842 00000	USB	(AB/PY/HFD)
S06	3-10	2006	7505	Fri	00 842 00000 (R2m15s) 842 842 [16s silence] 842 off	USB	(Token)
S06	3-10	2100	7505	Fri	842 842 842 00000	USB	(AB/PY/HFD)
S06	6-10	0400	11616	Mon	No transmission	USB	(Subilo)
S06	6-10	0420	9322	Mon	No transmission	USB	(Subilo)
S06	7-10	0400	11616	Tue	480 279 53 82599 26988 24269 ... 95142 78483 49244 279 53 00000	USB	(Subilo)
S06	7-10	0420	9322	Tue	480 279 53 82599 26988 24269 ... 95142 78483 49244 279 53 00000	USB	(Subilo)
S06	8-10	0400	11616	Wed	480 165 27 61584 15888 18160 ... 17878 93242 00958 165 27 480 923 25 07217 37947 51655 ... 00788 65492 42762 923 25 00000	USB	(Subilo)
S06	8-10	0420	9322	Wed	480 165 27 61584 15888 18160 ... 17878 93242 00958 165 27 480 923 25 07217 37947 51655 ... 00788 65492 42762 923 25 00000	USB	(Subilo)
S06	9-10	0400	11616	Thu	480 165 27 61584 15888 18160 ... 17878 93242 00958 165 27 480 923 25 07217 37947 51655 ... 00788 65492 42762 923 25 00000	USB	(Subilo)
S06	9-10	0420	9322	Thu	480 165 27 61584 15888 18160 ... 17878 93242 00958 165 27 480 923 25 07217 37947 51655 ... 00788 65492 42762 923 25 00000	USB	(Subilo)
S06	10-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	10-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)

S06	13-10	0400	11616	Mon	480 756 52 83351 46010 35466 ... 47477 19625 49256 756 52 00000	USB	(Subilo)
S06	13-10	0420	9322	Mon	480 756 52 83351 46010 35466 ... 47477 19625 49256 756 52 00000	USB	(Subilo)
S06	14-10	0400	11616	Tue	480 756 52 83351 46010 35466 ... 47477 19625 49256 756 52 00000	USB	(Subilo)
S06	14-10	0420	9322	Tue	480 756 52 83351 46010 35466 ... 47477 19625 49256 756 52 00000	USB	(Subilo)
S06	15-10	0400	11616	Wed	480 275 36 49310 62807 13108 ... 85412 24148 80225 275 36 480 391 24 92041 56202 33967 ... 11690 26236 17319 391 24 00000	USB	(Subilo)
S06	15-10	0420	9322	Wed	480 275 36 49310 62807 13108 ... 85412 24148 80225 275 36 480 391 24 92041 56202 33967 ... 11690 26236 17319 391 24 00000	USB	(Subilo)
S06	16-10	0400	11616	Thu	480 275 36 49310 62807 13108 ... 85412 24148 80225 275 36 480 391 24 92041 56202 33967 ... 11690 26236 17319 391 24 00000	USB	(Subilo)
S06	16-10	0420	9322	Thu	480 275 36 49310 62807 13108 ... 85412 24148 80225 275 36 480 391 24 92041 56202 33967 ... 11690 26236 17319 391 24 00000	USB	(Subilo)
S06	17-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	17-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	17-10	1900	9925	Fri	842 842 842 00000	USB	(AB/PY)
S06	17-10	2000	7505	Fri	842 842 842 00000	USB	(AB/PY)
S06	20-10	0400	11616	Mon	480 392 53 40114 74181 57008 ... 75665 70717 53188 392 53 00000. 54 groups vs 53 an- nounced	USB	(Subilo)
S06	20-10	0420	9322	Mon	480 392 53 40114 74181 57008 ... 75665 70717 53188 392 53 00000. 54 groups vs 53 an- nounced	USB	(Subilo)
S06	21-10	0400	11616	Tue	480 392 54 40114 74181 57008 ... 75665 70717 53188 392 54 00000	USB	(Subilo)
S06	21-10	0420	9322	Tue	480 392 54 40114 74181 57008 ... 75665 70717 53188 392 54 00000	USB	(Subilo)
S06	22-10	0400	11616	Wed	480 157 28 08632 64321 75169 ... 79104 58047 41576 157 28 480 369 24 49266 47557 51329 ... 71124 91523 06484 369 24 00000. Wrong group counts	USB	(Subilo)
S06	22-10	0420	9322	Wed	480 157 28 08632 64321 75169 ... 79104 58047 41576 157 28 480 369 24 49266 47557 51329 ... 71124 91523 06484 369 24 00000. Wrong group counts	USB	(Subilo)
S06	23-10	0400	11616	Thu	480 157 29 08632 64321 75169 ... 79104 58047 41576 157 29 480 369 25 49266 47557 51329 ... 71124 91523 06484 369 25 00000	USB	(Subilo)
S06	23-10	0420	9322	Thu	480 157 29 08632 64321 75169 ... 79104 58047 41576 157 29 480 369 25 49266 47557 51329 ... 71124 91523 06484 369 25 00000	USB	(Subilo)
S06	24-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	24-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	27-10	0400	11616	Mon	480 517 60 05786 65682 07871 ...6 47458 79150 00186 517 60 00000	USB	(Subilo)
S06	27-10	0420	9322	Mon	480 517 60 05786 65682 07871 ...6 47458 79150 00186 517 60 00000	USB	(Subilo)
S06	28-10	0400	11616	Tue	No transmission	USB	(Subilo)
S06	28-10	0420	9322	Tue	No transmission	USB	(Subilo)
S06	29-10	0400	11616	Wed	No transmission	USB	(Subilo)
S06	29-10	0420	9322	Wed	No transmission	USB	(Subilo)
S06	30-10	0400	11616	Thu	480 639 25 74869 01183 20939 ... 86076 12878 07155 639 25 480 217 30 55827 57619 71093 ... 04669 42065 97219 217 30 00000	USB	(Subilo)
S06	30-10	0420	9322	Thu	480 639 25 74869 01183 20939 ... 86076 12878 07155 639 25 480 217 30 55827 57619 71093 ... 04669 42065 97219 217 30 00000	USB	(Subilo)

S06	31-10	0400	11616	Fri	480 639 25 74869 01183 20939 ... 86076 12878 07155 639 25 480 217 30 55827 57619 71093 ... 04669 42065 97219 217 30 00000	USB	(Subilo)
S06	31-10	0420	9322	Fri	480 639 25 74869 01183 20939 ... 86076 12878 07155 639 25 480 217 30 55827 57619 71093 ... 04669 42065 97219 217 30 00000	USB	(Subilo)
S06c	16-10	1007	16283	Thu	11214 [R4m)	USB	(AB/PY)
S06c	16-10	1020	16283	Thu	11214 [R4m)	USB	(AB/PY)
S06c	16-10	1030	12183	Thu	11214 (R4m)	USB	(PY)
S06g	6-10	0745	10755	Mon	975 95184 624 30 06775 42404 10035 ... 55605 55616 94616 624 30 00000	USB	(PY)
S11a	1-10	0510	23004	Wed	796/00 Konets	USB	(AB)
S11a	1-10	0725	23353	Wed	380/35 Vnimanije 50721 12384 07187 ... 36611 51894 57439 Vnimanije (msg rptd) Konets	USB	(AB-POL)
S11a	1-10	1850	10213	Wed	286/00 Konets	USB	(AB-POL)
S11a	2-10	0700	8597	Thu	475/00 Konets	USB	(AB)
S11a	3-10	0725	23353	Fri	380/35 Vnimanije 50721 12384 07187 ... 36611 51894 57439 Vnimanije (msg rptd) Konets	USB	(AB-POL)
S11a	3-10	0915	6480	Fri	480/00 Konets	USB	(AB-POL)
S11a	3-10	1400	11420	Fri	421/00 Konets	USB	(AB)
S11a	4-10	0830	6433	Sat	377/33 Vnimanije 26325 90479 21627 ... 83039 85804 34790 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	4-10	1850	10213	Sat	285/00 Konets	USB	(AB)
S11a	5-10	0830	6433	Sun	377/33 Vnimanije 26325 90479 21627 ... 83039 85804 34790 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	6-10	0510	23004	Mon	654/00 Konets	USB	(AB-POL)
S11a	6-10	0700	8597	Mon	479/00 Konets	USB	(AB)
S11a	6-10	0915	6480	Mon	480/00 Konets	USB	(AB-POL)
S11a	7-10	0445	10728	Tue	796/00 Konets	USB	(AB)
S11a	7-10	1400	11420	Tue	427/00 Konets	USB	(AB)
S11a	8-10	0510	23004	Wed	657/00 Konets	USB	(AB)
S11a	8-10	0725	23353	Wed	382/00 Konets	USB	(AB-POL)
S11a	8-10	1850	10213	Wed	280/00 Konets	USB	(AB-POL)
S11a	9-10	0445	10728	Thu	796/00 Konets	USB	(AB-POL)
S11a	9-10	0700	8597	Thu	475/00 Konets	USB	(AB)
S11a	10-10	0725	23353	Fri	387/00 Konets	USB	(AB-POL)
S11a	10-10	0915	6480	Fri	482/00 Konets	USB	(AB-POL)
S11a	10-10	1400	11420	Fri	426/00 Konets	USB	(AB)
S11a	11-10	0830	6433	Sat	372/00 Konets	USB	(AB)
S11a	11-10	1850	10213	Sat	288/00 Konets	USB	(AB)
S11a	12-10	0830	6433	Sun	371/00 Konets	USB	(AB)
S11a	13-10	0510	23004	Mon	655/00 Konets	USB	(AB-POL)
S11a	13-10	0700	8597	Mon	472/34 Vnimanije 40134 66658 55390 ... 88744 27666 19950 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	13-10	0915	6480	Mon	484/00 Konets	USB	(AB-POL)
S11a	14-10	0445	10728	Tue	796/00 Konets	USB	(AB)
S11a	14-10	1400	11420	Tue	422/39 Vnimanije 74337 98312 08070 ... 73233 69431 54714 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	15-10	0510	23004	Wed	657/00 Konets	USB	(AB)
S11a	15-10	0725	23353	Wed	380/00 Konets	USB	(AB-POL)
S11a	15-10	1850	10213	Wed	285/00 Konets	USB	(AB-POL)

S11a	16-10	0445	10728	Thu	793/00 Konets	USB	(AB-POL)
S11a	16-10	0700	8597	Thu	472/34 Vnimanaye 40134 66658 55390 ... 88744 27666 19950 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	17-10	0725	23353	Fri	387/00 Konets	USB	(AB-POL)
S11a	17-10	0915	6480	Fri	484/00 Konets	USB	(AB-POL)
S11a	17-10	1400	11420	Fri	422/39 Vnimanaye 74337 98312 08070 ... 73233 69431 54714 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	18-10	0830	6433	Sat	378/00 Konets	USB	(AB)
S11a	18-10	1850	10213	Sat	282/00 Konets	USB	(AB)
S11a	19-10	0830	6433	Sun	376/00 Konets	USB	(AB)
S11a	20-10	0510	23004	Mon	651/33 Vnimanaye 49638 24292 95944 ... 64320 67691 59623 Vnimanaye (msg rptd) Konets	USB	(AB-POL)
S11a	20-10	0700	8597	Mon	471/00 Konets	USB	(AB)
S11a	20-10	0915	6480	Mon	485/00 Konets	USB	(AB-POL)
S11a	21-10	0445	10728	Tue	793/38 Vnimanaye 27868 70077 92780 ... 90899 80167 62525 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	21-10	1400	11420	Tue	424/00 Konets	USB	(AB)
S11a	22-10	0510	23004	Wed	651/33 Vnimanaye 49638 24292 95944 ... 64320 67691 59623 Vnimanaye (msg rptd) Konets	USB	(AB-POL)
S11a	22-10	0725	23353	Wed	381/00 Konets	USB	(AB-POL)
S11a	22-10	0725	23353	Wed	381/00 Konets	USB	(AB-POL)
S11a	22-10	1850	10213	Wed	282/39 Vnimanaye 58959 94152 82960 ... 08747 12075 36133 Vnimanaye (msg rptd) Konets	USB	(AB-POL)
S11a	23-10	0445	10728	Thu	793/38 Vnimanaye 27868 70077 92780 ... 90899 80167 62525 Vnimanaye (msg rptd) Konets	USB	(AB-POL)
S11a	23-10	0700	8597	Thu	470/00 Konets	USB	(AB)
S11a	24-10	0915	6480	Fri	486/00 Konets	USB	(AB-POL)
S11a	24-10	1400	11420	Fri	421/00 Konets	USB	(AB)
S11a	25-10	0830	6433	Sat	376/00 Konets	USB	(AB)
S11a	25-10	1850	10213	Sat	282/39 Vnimanaye 58959 94152 82960 ... 08747 12075 36133 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	26-10	0830	6433	Sun	372/00 Konets	USB	(AB)
S11a	27-10	0700	8597	Mon	476/00 Konets	USB	(AB)
S11a	27-10	0915	6480	Mon	487/40 Vinmainye 76034 08667 66552 ... 07730 22194 44728 Vnimanaye (msg rptd) Konets	USB	(AB-POL)
S11a	28-10	0445	10728	Tue	791/00 Konets	USB	(AB)
S11a	28-10	1400	11420	Tue	421/00 Konets	USB	(AB)
S11a	29-10	1850	10213	Wed	280/00 Konets	USB	(AB-POL)
S11a	30-10	0700	8597	Thu	475/00 Konets	USB	(AB)
S11a	31-10	0725	23353	Fri	389/00 Konets	USB	(AB-POL)
S11a	31-10	0915	6480	Fri	487/40 Vinmainye 76034 08667 66552 ... 07730 22194 44728 Vnimanaye (msg rptd) Konets	USB	(AB-POL)
S11a	31-10	1400	11420	Fri	422/00 Konets	USB	(AB)
TUN	30-10	1020	16285	Thu	STAT16: Unid Tunisian embassy clg STAT155: MFA Tunis	Mil-STD-188-141A USB	(AB)
TUN	31-10	1043	12140	Fri	STAT24: Tunisian embassy Rome sounding	Mil-STD-188-141A USB	(AB)
UM04	1-10	0700	4735	Wed	VVV VVV PROMRCh = 01 10 = 1000 0920 0960 1100 1540 ... 0800 0760 0810 0950 1350 = AR	CW	(AB-GRC)
UM04	2-10	0700	4735	Thu	VVV VVV PROMRCh = 02 10 = 1000 0930 0970 1110 1550 ... 0800 0770 0810 0590 1360 = AR	CW	(AB-GRC)
UM04	3-10	0700	4735	Fri	VVV VVV PROMRCh = 03 10 = 1000 0950 0990 1130 1570 ... 0800 0780 0820 0960 1380 = AR	CW	(AB-GRC)
UM04	4-10	0700	4735	Sat	VVV VVV PROMRCh = 04 10 = 1000 0940 0980 1130 1570 ... 0800 0780 0830 0970 1390 = AR	CW	(AB-HNG)
UM04	5-10	0700	4735	Sun	VVV VVV PROMRCh = 05 10 = 1000 0950 0990 1130 1580 ... 0800 0780 0830 0970 1400 = AR	CW	(Subilo)
UM04	6-10	0700	4735	Mon	VVV VVV PROMRCh = 06 10 = 1000 0960 0990 1140 1600 ... 0800 0790 0840 0980 1410 = AR	CW	(AB-GRC)
UM04	6-10	0700	4735	Mon	VVV VVV PROMRCh = 06 10 = 1000 0960 0990 1140 1600 ... 0800 0790 0840 0980 1410 = AR	CW	(Subilo)

UM04	7-10	0700	4735	Tue	VVV VVV PROMRCh = 07 10 = 1000 0960 1000 1150 1610 ... 0800 0800 0840 0990 1430 = AR	CW	(AB-GRC)
UM04	8-10	0700	4735	Wed	VVV VVV PROMRCh = 08 10 = 1000 0970 1010 1160 1620 ... 0800 0800 0840 0990 1430 = AR	CW	(AB-GRC)
UM04	9-10	0700	4735	Thu	VVV VVV PROMRCh = 09 10 = 1000 0980 1020 1170 1630 ... 0800 0810 0850 1000 1440 = AR	CW	(AB-GRC)
UM04	10-10	0700	4735	Fri	VVV VVV PROMRCh = 10 10 = 1000 0980 1030 1170 1650 ... 0800 0810 0850 1010 1450 = AR	CW	(AB-HNG)
UM04	11-10	0700	4735	Sat	VVV VVV PROMRCh = 11 10 = 1000 0970 1020 1170 1650 ... 0800 0800 0850 1000 1450 . Restart at 0704z= AR	CW	(AB-GRC)
UM04	12-10	0700	4735	Sun	VVV VVV PROMRCh = 12 10 = 1000 0970 1020 1170 1640 ... 0800 0800 0850 1000 1450 = AR	CW	(AB-HNG)
UM04	13-10	0700	4735	Mon	VVV VVV PROMRCh = 13 10 = 1000 0980 1020 1180 1650 ... 0800 0800 0850 1000 1450 = AR	CW	(AB-GRC)
UM04	14-10	0700	4735	Tue	VVV VVV PROMRCh = 14 10 = 1000 0970 1020 1180 1660 ... 0800 0800 0850 1000 1450 = AR	CW	(AB-GRC)
UM04	15-10	0700	4735	Wed	VVV VVV PROMRCh = 15 10 = 1000 0970 1010 1170 1660 ... 0800 0800 0840 1000 1450 = AR	CW	(AB-GRC)
UM04	16-10	0700	4735	Thu	VVV VVV PROMRCh = 16 10 = 1000 0960 1010 1170 1650 ... 0800 0790 0840 1000 1440 = AR	CW	(AB-GRC)
UM04	17-10	0701	4735	Fri	VVV VVV PROMRCh = 17 10 = 1000 0960 1010 1170 1660 ... 0800 0790 0840 1000 1450 = AR	CW	(AB-HNG)
UM04	18-10	0700	4735	Sat	VVV VVV PROMRCh = 18 10 = 1000 0960 1010 1170 1670 ... 0800 0790 0830 0990 1440 = AR	CW	(AB-GRC)
UM04	19-10	0700	4735	Sun	VVV VVV PROMRCh = 19 10 = 1000 0960 1010 1170 1670 ... 0800 0790 0830 0990 1450 = AR	CW	(AB-HNG)
UM04	20-10	0700	4735	Mon	VVV VVV PROMRCh = 20 10 = 1000 0970 1020 1180 1690 ... 0800 0790 0840 1000 1450 = AR	CW	(AB-GRC)
UM04	21-10	0700	4735	Tue	VVV VVV PROMRCh = 21 10 = 1000 0960 1010 1170 1680 ... 0800 0790 0840 1000 1450 = AR	CW	(AB-GRC)
UM04	22-10	0700	4735	Wed	VVV VVV PROMRCh = 22 10 = 1000 0960 1000 1170 1670 ... 0800 0790 0840 1000 1450 = AR	CW	(AB-GRC)
UM04	23-10	0700	4735	Thu	VVV VVV PROMRCh = 23 10 = 1000 0970 1020 1190 1690 ... 0800 0800 0840 1010 1460 = AR	CW	(AB-GRC)
UM04	24-10	0700	4735	Fri	VVV VVV PROMRCh = 24 10 = 1000 0980 1030 1190 1690 ... 0800 0800 0850 1010 1470 = AR	CW	(AB-HNG)
UM04	25-10	0700	4735	Sat	VVV VVV PROMRCh = 25 10 = 1000 0980 1030 1190 1710 ... 0800 0800 0850 1010 1470 = AR	CW	(AB-GRC)
UM04	26-10	0800	4735	Sun	VVV VVV PROMRCh = 26 10 = 1000 0990 1040 1210 1710 ... 0800 0810 0850 1020 1480 = AR	CW	(AB-GRC)
UM04	27-10	0800	4735	Mon	VVV VVV PROMRCh = 27 10 = 1000 1000 1040 1210 1720 ... 0800 0810 0850 1020 1480 = AR	CW	(AB-GRC)
UM04	28-10	0700	4735	Tue	VVV VVV PROMRCh = 28 10 = 1000 1000 1040 1210 1720 ... 0800 0810 0860 1020 1080 = AR	CW	(Subilo)
UM04	29-10	0800	4735	Wed	VVV VVV PROMRCh = 29 10 = 1000 0990 1040 1210 1720 ... 0800 0810 0860 1020 1480 = AR	CW	(AB-GRC)
UM04	30-10	0800	4735	Thu	VVV VVV PROMRCh = 30 10 = 1000 1000 1050 1220 1720 ... 0800 0810 0860 1020 1490 = AR	CW	(AB-GRC)
UM04	31-10	0700	4735	Fri	VVV VVV PROMRCh = 31 10 = 1000 1010 1060 1220 1740 ... 0800 0820 0870 1030 0490 = AR	CW	(AB-HNG)
V07	5-10	0200	18217	Sun	238 238 238 1 8114 76 8114 76 05241 22624 14693 ... 26415 21615 91809 000 000	USB	(HFD-J)
V07	5-10	0220	16317	Sun	238 238 238 1 8114 76 8114 76 05241 22624 14693 ... 26415 21615 91809 000 000	USB	(HFD-J)
V07	5-10	0240	15817	Sun	238 238 238 1 8114 76 8114 76 05241 22624 14693 ... 26415 21615 91809 000 000	USB	(Dan/HFD-J)
V07	12-10	0240	15817	Sun	238 238 238 1 8353 116 8353 116 49276 44234 82907 ... 79356 36129 36529 000 000	USB	(Dan)
V07	19-10	0240	15817	Sun	238 238 238 1 1396 101 1396 101 26068 56723 01804 ... 08750 83845 11541 000 000	USB	(Dan)
V07	26-10	0240	15817	Sun	238 238 238 1 7595 120 7595 120 18598 08167 13905 ... 61314 06725 77332000 000	USB	(Dan)
V26	4-10	1130	4542	Sat	Callup in Chinese voice //6876 kHz	USB	(JPL)
V26	4-10	1130	6876	Sat	Callup in Chinese voice //4542 kHz	USB	(JPL)
V26	4-10	2340	9042	Sat	Callup in Chinese voice	USB	(JPL)
V26	5-10	0002	4542	Sun	Callup in Chinese voice //6876 kHz	USB	(JPL)
V26	5-10	0002	6876	Sun	Callup in Chinese voice //4542 kHz	USB	(JPL)
V26	11-10	1140	4156	Sat	Callup in Chinese voice //9042 kHz	USB	(JPL)
V26	11-10	1140	9042	Sat	Callup in Chinese voice //4156 kHz	USB	(JPL)
X--	23-10	1327	18561	Thu	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	23-10	1331	16231	Thu	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	23-10	1333	14376	Thu	Russian intel.	MFSK-13/MFSK-21	(AB)

X--	23-10	1337	13381	Thu	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	23-10	1341	12210	Thu	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	30-10	1430	10176	Thu	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	31-10	1230	17427	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	31-10	1233	16151	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	31-10	1236	15712	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	31-10	1314	16231	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X06	1-10	1219	20374	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Moon)
X06	3-10	1023	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(Moon)
X06	6-10	0730	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	7-10	0847	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	12-10	0829	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(Moon)
X06	13-10	0818	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB/Moon)
X06	13-10	0927	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06	17-10	0828	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(AB)
X06	17-10	1020	13547	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB)
X06	23-10	0703	11515	Thu	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(RO)
X06	23-10	0803	13843	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(RO)
X06	26-10	0923	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(Moon)
X06	28-10	1148	16317	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(AB/Moon)
XPA1	1-10	1210	14564	Wed	554 554 554 1 04159 00518 26704 ... 13175 56012 03433	MFSK-20/10Bd	(AB/HFD)
XPA1	1-10	1230	13564	Wed	554 554 554 1 04159 00518 26704 ... 13175 56012 03433	MFSK-20/10Bd	(AB/HFD)
XPA1	1-10	1250	11464	Wed	554 554 554 1 04159 00518 26704 ... 13175 56012 03433	MFSK-20/10Bd	(AB/HFD)
XPA1	3-10	1210	14564	Fri	554 554 554 1 04159 00518 26704 ... 13175 56012 03433	MFSK-20/10Bd	(AB)
XPA1	3-10	1230	13564	Fri	554 554 554 1 04159 00518 26704 ... 13175 56012 03433	MFSK-20/10Bd	(AB)
XPA1	3-10	1250	11464	Fri	554 554 554 1 04159 00518 26704 ... 13175 56012 03433	MFSK-20/10Bd	(AB)
XPA1	8-10	1210	14564	Wed	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	8-10	1230	13564	Wed	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	8-10	1250	11464	Wed	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	10-10	1210	14564	Fri	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	10-10	1230	13564	Fri	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	10-10	1250	11464	Fri	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	15-10	1210	14564	Wed	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	15-10	1230	13564	Wed	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	15-10	1250	11464	Wed	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	17-10	1210	14564	Fri	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	17-10	1230	13564	Fri	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	17-10	1250	11464	Fri	554 554 554 1 03107 00060 63801 ... 18709 59789 07730	MFSK-20/10Bd	(AB)
XPA1	22-10	1210	14564	Wed	554 554 554 000 06937 00001 00000 41261	MFSK-20/10Bd	(AB)
XPA1	22-10	1230	13564	Wed	554 554 554 000 06937 00001 00000 41261	MFSK-20/10Bd	(AB)
XPA1	22-10	1250	11464	Wed	554 554 554 000 06937 00001 00000 41261	MFSK-20/10Bd	(AB)
XPA1	24-10	1210	14564	Fri	554 554 554 000 03091 00001 00000 31664	MFSK-20/10Bd	(AB)

XPA1	24-10	1230	13564	Fri	554 554 554 000 03091 00001 00000 31664	MFSK-20/10Bd	(AB)
XPA1	24-10	1250	11464	Fri	554 554 554 000 03091 00001 00000 31664	MFSK-20/10Bd	(AB)
XPA1	29-10	1210	14564	Wed	554 554 554 000 01422 00001 00000 34253	MFSK-20/10Bd	(AB)
XPA1	29-10	1230	13564	Wed	554 554 554 000 01422 00001 00000 34253	MFSK-20/10Bd	(AB)
XPA1	29-10	1250	11464	Wed	554 554 554 000 01422 00001 00000 34253	MFSK-20/10Bd	(AB)
XPA1	31-10	1210	14564	Fri	554 554 554 000 06266 00001 00000 35264	MFSK-20/10Bd	(AB)
XPA1	31-10	1230	13564	Fri	554 554 554 000 06266 00001 00000 35264	MFSK-20/10Bd	(AB)
XPA1	31-10	1250	11464	Fri	554 554 554 000 06266 00001 00000 35264	MFSK-20/10Bd	(AB)
XPA2	1-10	0700	13372	Wed	00423 00565 15855 ... 77000 28884 54550	MFSK-16/29Bd	(AB/HFD)
XPA2	1-10	0720	14672	Wed	00423 00565 15855 ... 77000 28884 54550	MFSK-16/29Bd	(AB/HFD)
XPA2	1-10	0740	15872	Wed	00423 00565 15855 ... 77000 28884 54550	MFSK-16/29Bd	(AB/HFD)
XPA2	1-10	0910	19259	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	1-10	0930	18396	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	1-10	0950	17467	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	1-10	1100	14672	Wed	00944 00234 86530 ... 23110 25915 23213	MFSK-16/29Bd	(AB/HFD)
XPA2	1-10	1120	13472	Wed	00944 00234 86530 ... 23110 25915 23213	MFSK-16/29Bd	(AB/HFD)
XPA2	1-10	1140	12172	Wed	00944 00234 86530 ... 23110 25915 23213	MFSK-16/29Bd	(AB/HFD)
XPA2	1-10	1800	14518	Wed	00351 00329 00243 ... 92900 40747 51111	MFSK-16/29Bd	(AB)
XPA2	1-10	1820	13418	Wed	00351 00329 00243 ... 92900 40747 51111	MFSK-16/29Bd	(AB)
XPA2	1-10	1840	12218	Wed	00351 00329 00243 ... 92900 40747 51111	MFSK-16/29Bd	(AB)
XPA2	2-10	0900	19587	Thu	00859 00099 64854 ... 90705 26839 43344	MFSK-16/20Bd	(TM/HFD)
XPA2	2-10	0920	18375	Thu	00859 00099 64854 ... 90705 26839 43344	MFSK-16/20Bd	(PY/HFD)
XPA2	2-10	0940	17432	Thu	00859 00099 64854 ... 90705 26839 43344	MFSK-16/20Bd	(PY/HFD)
XPA2	2-10	1100	14672	Thu	00944 00234 86530 ... 23110 25915 23213	MFSK-16/29Bd	(AB/HFD)
XPA2	2-10	1120	13472	Thu	00944 00234 86530 ... 23110 25915 23213	MFSK-16/29Bd	(AB/HFD)
XPA2	2-10	1140	12172	Thu	00944 00234 86530 ... 23110 25915 23213	MFSK-16/29Bd	(AB/HFD)
XPA2	2-10	1700	15874	Thu	09295 00001 00000 34672	MFSK-16/29Bd	(AB/HFD)
XPA2	2-10	1720	14543	Thu	09295 00001 00000 34672	MFSK-16/29Bd	(AB/HFD)
XPA2	2-10	1740	13426	Thu	09295 00001 00000 34672	MFSK-16/29Bd	(AB/HFD)
XPA2	3-10	1100	14537	Fri	09825 00560 71983 ... 01315 13838 14262	MFSK-16/29Bd	(AB/HFD)
XPA2	3-10	1120	13437	Fri	09825 00560 71983 ... 01315 13838 14262	MFSK-16/29Bd	(AB/HFD)
XPA2	3-10	1140	10737	Fri	09825 00560 71983 ... 01315 13838 14262	MFSK-16/29Bd	(AB/HFD)
XPA2	3-10	1800	14518	Fri	00351 00329 00243 ... 92900 40747 51111	MFSK-16/29Bd	(AB/HFD)
XPA2	3-10	1820	13418	Fri	00351 00329 00243 ... 92900 40747 51111	MFSK-16/29Bd	(AB/HFD)
XPA2	3-10	1840	12218	Fri	00351 00329 00243 ... 92900 40747 51111	MFSK-16/29Bd	(AB/HFD)
XPA2	4-10	0900	19587	Sat	00859 00099 64854 ... 90705 26839 43344	MFSK-16/20Bd	(AB-G)
XPA2	4-10	0920	18375	Sat	00859 00099 64854 ... 90705 26839 43344	MFSK-16/20Bd	(AB-G)
XPA2	4-10	0940	17432	Sat	00859 00099 64854 ... 90705 26839 43344	MFSK-16/20Bd	(AB-G)
XPA2	4-10	1500	13906	Sat	01116 00001 00000 34652	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1520	12106	Sat	01116 00001 00000 34652	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1540	10906	Sat	01116 00001 00000 34652	MFSK-16/20Bd	(AB/HFD)
XPA2	6-10	0700	13372	Mon	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)

XPA2	6-10	0720	14672	Mon	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	6-10	0740	15872	Mon	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	6-10	0910	19259	Mon	05861 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	6-10	0930	18396	Mon	05861 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	6-10	0950	17467	Mon	05861 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	6-10	1500	13906	Mon	04992 00138 92355 ... 80377 05317 25311	MFSK-16/20Bd	(AB)
XPA2	6-10	1520	12106	Mon	04992 00138 92355 ... 80377 05317 25311	MFSK-16/20Bd	(AB)
XPA2	6-10	1540	10906	Mon	04992 00138 92355 ... 80377 05317 25311	MFSK-16/20Bd	(AB)
XPA2	7-10	1100	14537	Tue	03784 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	7-10	1120	13437	Tue	03784 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	7-10	1140	10737	Tue	03784 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	7-10	1700	15874	Tue	00756 00105 56424 ... 35455 78357 62763	MFSK-16/29Bd	(AB)
XPA2	7-10	1720	14543	Tue	00756 00105 56424 ... 35455 78357 62763	MFSK-16/29Bd	(AB)
XPA2	7-10	1740	13426	Tue	00756 00105 56424 ... 35455 78357 62763	MFSK-16/29Bd	(AB)
XPA2	8-10	0700	13372	Wed	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	8-10	0720	14672	Wed	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	8-10	0740	15872	Wed	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	8-10	0910	19259	Wed	06472 00001 00000 34265	MFSK-16/29Bd	(AB)
XPA2	8-10	0930	18396	Wed	06472 00001 00000 34265	MFSK-16/29Bd	(AB)
XPA2	8-10	0950	17467	Wed	06472 00001 00000 34265	MFSK-16/29Bd	(AB)
XPA2	8-10	1100	14672	Wed	04809 00001 00000 41654	MFSK-16/29Bd	(AB)
XPA2	8-10	1120	13472	Wed	04809 00001 00000 41654	MFSK-16/29Bd	(AB)
XPA2	8-10	1140	12172	Wed	04809 00001 00000 41654	MFSK-16/29Bd	(AB/RL)
XPA2	8-10	1800	14518	Wed	02581 00156 76628 ... 35151 90209 55600	MFSK-16/29Bd	(AB)
XPA2	8-10	1820	13418	Wed	02581 00156 76628 ... 35151 90209 55600	MFSK-16/29Bd	(AB)
XPA2	8-10	1840	12218	Wed	02581 00156 76628 ... 35151 90209 55600	MFSK-16/29Bd	(AB)
XPA2	9-10	0900	19587	Thu	08682 00001 00000 35270	MFSK-16/20Bd	(AB)
XPA2	9-10	0920	18375	Thu	08682 00001 00000 35270	MFSK-16/20Bd	(AB)
XPA2	9-10	0940	17432	Thu	08682 00001 00000 35270	MFSK-16/20Bd	(AB)
XPA2	9-10	1100	14672	Thu	06177 00001 00000 35265	MFSK-16/29Bd	(AB)
XPA2	9-10	1120	13472	Thu	06177 00001 00000 35265	MFSK-16/29Bd	(AB)
XPA2	9-10	1140	12172	Thu	06177 00001 00000 35265	MFSK-16/29Bd	(AB)
XPA2	9-10	1700	15874	Thu	00756 00105 56424 ... 35455 78357 62763	MFSK-16/29Bd	(AB)
XPA2	9-10	1720	14543	Thu	00756 00105 56424 ... 35455 78357 62763	MFSK-16/29Bd	(AB)
XPA2	9-10	1740	13426	Thu	00756 00105 56424 ... 35455 78357 62763	MFSK-16/29Bd	(AB)
XPA2	10-10	1100	14537	Fri	09117 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	10-10	1120	13437	Fri	09117 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	10-10	1140	10737	Fri	09117 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	10-10	1800	14518	Fri	02581 00156 76628 ... 35151 90209 55600	MFSK-16/29Bd	(AB)
XPA2	10-10	1820	13418	Fri	02581 00156 76628 ... 35151 90209 55600	MFSK-16/29Bd	(AB)
XPA2	10-10	1840	12218	Fri	02581 00156 76628 ... 35151 90209 55600	MFSK-16/29Bd	(AB)
XPA2	11-10	0900	19587	Sat	01079 00001 00000 35660	MFSK-16/20Bd	(AB)

XPA2	11-10	0920	18375	Sat	01079 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	11-10	0940	17432	Sat	01079 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	11-10	1500	13906	Sat	04992 00138 92355 ... 80377 05317 25311	MFSK-16/20Bd	(AB)
XPA2	11-10	1520	12106	Sat	04992 00138 92355 ... 80377 05317 25311	MFSK-16/20Bd	(AB)
XPA2	11-10	1540	10906	Sat	04992 00138 92355 ... 80377 05317 25311	MFSK-16/20Bd	(AB)
XPA2	13-10	0700	13372	Mon	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	13-10	0720	14672	Mon	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	13-10	0740	15872	Mon	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	13-10	0910	19259	Mon	08490 00001 00000 33271	MFSK-16/20Bd	(AB)
XPA2	13-10	0930	18396	Mon	08490 00001 00000 33271	MFSK-16/20Bd	(AB)
XPA2	13-10	0950	17467	Mon	08490 00001 00000 33271	MFSK-16/20Bd	(AB)
XPA2	13-10	1500	13906	Mon	06037 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	13-10	1520	12106	Mon	06037 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	13-10	1540	10906	Mon	06037 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	14-10	1100	14537	Tue	07421 00358 98918 ... 84855 98811 15260	MFSK-16/29Bd	(AB)
XPA2	14-10	1120	13437	Tue	07421 00358 98918 ... 84855 98811 15260	MFSK-16/29Bd	(AB)
XPA2	14-10	1140	10737	Tue	07421 00358 98918 ... 84855 98811 15260	MFSK-16/29Bd	(AB)
XPA2	14-10	1700	15874	Tue	05984 00001 00000 37665	MFSK-16/29Bd	(AB)
XPA2	14-10	1720	14543	Tue	05984 00001 00000 37665	MFSK-16/29Bd	(AB)
XPA2	14-10	1740	13426	Tue	05984 00001 00000 37665	MFSK-16/29Bd	(AB)
XPA2	15-10	0700	13372	Wed	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	15-10	0720	14672	Wed	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	15-10	0740	15872	Wed	00588 00508 49618 ... 79685 23678 26754	MFSK-16/29Bd	(AB)
XPA2	15-10	0910	19259	Wed	02091 00001 00000 32263	MFSK-16/29Bd	(AB)
XPA2	15-10	0930	18396	Wed	02091 00001 00000 32263	MFSK-16/29Bd	(AB)
XPA2	15-10	0950	17467	Wed	02091 00001 00000 32263	MFSK-16/29Bd	(AB)
XPA2	15-10	1100	14672	Wed	01792 00519 87065 ... 23416 66436 07360	MFSK-16/29Bd	(AB)
XPA2	15-10	1120	13472	Wed	01792 00519 87065 ... 23416 66436 07360	MFSK-16/29Bd	(AB)
XPA2	15-10	1140	12172	Wed	01792 00519 87065 ... 23416 66436 07360	MFSK-16/29Bd	(AB)
XPA2	15-10	1800	14518	Wed	09174 00307 53967 ... 03879 98926 73322	MFSK-16/29Bd	(AB)
XPA2	15-10	1820	13418	Wed	09174 00307 53967 ... 03879 98926 73322	MFSK-16/29Bd	(AB)
XPA2	15-10	1840	12218	Wed	09174 00307 53967 ... 03879 98926 73322	MFSK-16/29Bd	(AB)
XPA2	16-10	0900	19587	Thu	09829 00210 48856 ... 56280 64735 25261	MFSK-16/20Bd	(AB)
XPA2	16-10	0920	18375	Thu	09829 00210 48856 ... 56280 64735 25261	MFSK-16/20Bd	(AB)
XPA2	16-10	0940	17432	Thu	09829 00210 48856 ... 56280 64735 25261	MFSK-16/20Bd	(AB)
XPA2	16-10	1100	14672	Thu	01792 00519 87065 ... 23416 66436 07360	MFSK-16/29Bd	(AB/RL)
XPA2	16-10	1120	13472	Thu	01792 00519 87065 ... 23416 66436 07360	MFSK-16/29Bd	(AB)
XPA2	16-10	1140	12172	Thu	01792 00519 87065 ... 23416 66436 07360	MFSK-16/29Bd	(AB)
XPA2	16-10	1700	15874	Thu	05095 00001 00000 33666	MFSK-16/29Bd	(AB)
XPA2	16-10	1720	14543	Thu	05095 00001 00000 33666	MFSK-16/29Bd	(AB)
XPA2	16-10	1740	13426	Thu	05095 00001 00000 33666	MFSK-16/29Bd	(AB)
XPA2	17-10	1100	14537	Fri	07421 00358 98918 ... 84855 98811 15260	MFSK-16/29Bd	(AB)

XPA2	17-10	1120	13437	Fri	07421 00358 98918 ... 84855 98811 15260	MFSK-16/29Bd	(AB)
XPA2	17-10	1140	10737	Fri	07421 00358 98918 ... 84855 98811 15260	MFSK-16/29Bd	(AB)
XPA2	17-10	1800	14518	Fri	09174 00307 53967 ... 03879 98926 73322	MFSK-16/29Bd	(AB)
XPA2	17-10	1820	13418	Fri	09174 00307 53967 ... 03879 98926 73322	MFSK-16/29Bd	(AB)
XPA2	17-10	1840	12218	Fri	09174 00307 53967 ... 03879 98926 73322	MFSK-16/29Bd	(AB)
XPA2	18-10	0900	19587	Sat	09829 00210 48856 ... 56280 64735 25261	MFSK-16/20Bd	(AB)
XPA2	18-10	0920	18375	Sat	09829 00210 48856 ... 56280 64735 25261	MFSK-16/20Bd	(AB)
XPA2	18-10	0940	17432	Sat	09829 00210 48856 ... 56280 64735 25261	MFSK-16/20Bd	(AB)
XPA2	18-10	1500	13906	Sat	No transmission	MFSK-16/20Bd	(AB)
XPA2	18-10	1520	12106	Sat	01409 00001 00000 37651	MFSK-16/20Bd	(AB)
XPA2	18-10	1540	10906	Sat	01409 00001 00000 37651	MFSK-16/20Bd	(AB)
XPA2	20-10	0700	13372	Mon	07155 00001 00000 34264	MFSK-16/29Bd	(AB)
XPA2	20-10	0720	14672	Mon	07155 00001 00000 34264	MFSK-16/29Bd	(AB)
XPA2	20-10	0740	15872	Mon	07155 00001 00000 34264	MFSK-16/29Bd	(AB)
XPA2	20-10	0910	19259	Mon	00622 00409 96688 ... 08243 10093 75025	MFSK-16/20Bd	(AB)
XPA2	20-10	0930	18396	Mon	00622 00409 96688 ... 08243 10093 75025	MFSK-16/20Bd	(AB)
XPA2	20-10	0950	17467	Mon	00622 00409 96688 ... 08243 10093 75025	MFSK-16/20Bd	(AB)
XPA2	20-10	1500	13906	Mon	09669 00187 60475 ... 73598 39815 23372	MFSK-16/20Bd	(AB)
XPA2	20-10	1520	12106	Mon	09669 00187 60475 ... 73598 39815 23372	MFSK-16/20Bd	(AB)
XPA2	20-10	1540	10906	Mon	09669 00187 60475 ... 73598 39815 23372	MFSK-16/20Bd	(AB)
XPA2	21-10	1100	14537	Tue	09708 00410 54312 ... 72421 19807 30162	MFSK-16/29Bd	(AB)
XPA2	21-10	1120	13437	Tue	09708 00410 54312 ... 72421 19807 30162	MFSK-16/29Bd	(AB)
XPA2	21-10	1140	10737	Tue	09708 00410 54312 ... 72421 19807 30162	MFSK-16/29Bd	(AB)
XPA2	21-10	1700	15874	Tue	09146 00100 66936 ... 24440 65827 56553	MFSK-16/29Bd	(AB)
XPA2	21-10	1720	14543	Tue	09146 00100 66936 ... 24440 65827 56553	MFSK-16/29Bd	(AB)
XPA2	21-10	1740	13426	Tue	09146 00100 66936 ... 24440 65827 56553	MFSK-16/29Bd	(AB)
XPA2	22-10	0700	13372	Wed	09788 00001 00000 40671	MFSK-16/29Bd	(AB)
XPA2	22-10	0720	14672	Wed	09788 00001 00000 40671	MFSK-16/29Bd	(AB)
XPA2	22-10	0740	15872	Wed	09788 00001 00000 40671	MFSK-16/29Bd	(AB)
XPA2	22-10	0910	19259	Wed	00622 00409 96688 ... 08243 10093 75025	MFSK-16/20Bd	(AB)
XPA2	22-10	0930	18396	Wed	00622 00409 96688 ... 08243 10093 75025	MFSK-16/20Bd	(AB)
XPA2	22-10	0950	17467	Wed	00622 00409 96688 ... 08243 10093 75025	MFSK-16/20Bd	(AB)
XPA2	22-10	1100	14672	Wed	00877 00401 32910 ... 85781 99656 63264	MFSK-16/29Bd	(AB)
XPA2	22-10	1120	13472	Wed	00877 00401 32910 ... 85781 99656 63264	MFSK-16/29Bd	(AB)
XPA2	22-10	1140	12172	Wed	00877 00401 32910 ... 85781 99656 63264	MFSK-16/29Bd	(AB)
XPA2	22-10	1800	14518	Wed	08104 00126 47212 ... 89616 97162 77272	MFSK-16/29Bd	(AB)
XPA2	22-10	1820	13418	Wed	08104 00126 47212 ... 89616 97162 77272	MFSK-16/29Bd	(AB)
XPA2	22-10	1840	12218	Wed	08104 00126 47212 ... 89616 97162 77272	MFSK-16/29Bd	(AB)
XPA2	23-10	0900	19587	Thu	03676 00240 50946 ... 62099 02587 22601	MFSK-16/20Bd	(AB)
XPA2	23-10	0920	18375	Thu	03676 00240 50946 ... 62099 02587 22601	MFSK-16/20Bd	(AB)
XPA2	23-10	0940	17432	Thu	03676 00240 50946 ... 62099 02587 22601	MFSK-16/20Bd	(AB)
XPA2	23-10	1100	14672	Thu	00877 00401 32910 ... 85781 99656 63264	MFSK-16/29Bd	(AB)

XPA2	23-10	1120	13472	Thu	00877 00401 32910 ... 85781 99656 63264	MFSK-16/29Bd	(AB)
XPA2	23-10	1140	12172	Thu	00877 00401 32910 ... 85781 99656 63264	MFSK-16/29Bd	(AB)
XPA2	23-10	1700	15874	Thu	09146 00100 66936 ... 24440 65827 56553	MFSK-16/29Bd	(AB)
XPA2	23-10	1720	14543	Thu	09146 00100 66936 ... 24440 65827 56553	MFSK-16/29Bd	(AB)
XPA2	23-10	1740	13426	Thu	09146 00100 66936 ... 24440 65827 56553	MFSK-16/29Bd	(AB)
XPA2	24-10	1100	14537	Fri	09708 00410 54312 ... 72421 19807 30162	MFSK-16/29Bd	(AB/RL)
XPA2	24-10	1120	13437	Fri	09708 00410 54312 ... 72421 19807 30162	MFSK-16/29Bd	(AB/RL)
XPA2	24-10	1140	10737	Fri	09708 00410 54312 ... 72421 19807 30162	MFSK-16/29Bd	(AB)
XPA2	24-10	1800	14518	Fri	08104 00126 47212 ... 89616 97162 77272	MFSK-16/29Bd	(AB)
XPA2	24-10	1820	13418	Fri	08104 00126 47212 ... 89616 97162 77272	MFSK-16/29Bd	(AB)
XPA2	24-10	1840	12218	Fri	08104 00126 47212 ... 89616 97162 77272	MFSK-16/29Bd	(AB)
XPA2	25-10	0900	19587	Sat	03676 00240 50946 ... 62099 02587 22601	MFSK-16/20Bd	(AB)
XPA2	25-10	0920	18375	Sat	03676 00240 50946 ... 62099 02587 22601	MFSK-16/20Bd	(AB)
XPA2	25-10	0940	17432	Sat	03676 00240 50946 ... 62099 02587 22601	MFSK-16/20Bd	(AB)
XPA2	25-10	1500	13906	Sat	09669 00187 60475 ... 73598 39815 23372	MFSK-16/20Bd	(AB)
XPA2	25-10	1520	12106	Sat	09669 00187 60475 ... 73598 39815 23372	MFSK-16/20Bd	(AB)
XPA2	25-10	1540	10906	Sat	09669 00187 60475 ... 73598 39815 23372	MFSK-16/20Bd	(AB)
XPA2	27-10	0700	13372	Mon	06120 00001 00000 31660	MFSK-16/29Bd	(AB)
XPA2	27-10	0720	14672	Mon	06120 00001 00000 31660	MFSK-16/29Bd	(AB)
XPA2	27-10	0740	15872	Mon	06120 00001 00000 31660	MFSK-16/29Bd	(AB)
XPA2	27-10	0910	19259	Mon	00932 00387 11754 ... 60181 74290 31257	MFSK-16/20Bd	(AB)
XPA2	27-10	0930	18396	Mon	00932 00387 11754 ... 60181 74290 31257	MFSK-16/20Bd	(AB)
XPA2	27-10	0950	17467	Mon	00932 00387 11754 ... 60181 74290 31257	MFSK-16/20Bd	(AB)
XPA2	27-10	1500	13906	Mon	01758 00001 00000 40656	MFSK-16/20Bd	(AB)
XPA2	27-10	1520	12106	Mon	01758 00001 00000 40656	MFSK-16/20Bd	(AB)
XPA2	27-10	1540	10906	Mon	01758 00001 00000 40656	MFSK-16/20Bd	(AB)
XPA2	28-10	0400	13378	Tue	00281 00191 57282 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0410	14367	Tue	00281 00191 57282 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0420	15867	Tue	00281 00191 57282 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0430	17448	Tue	00281 00191 57282 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0440	18201	Tue	00281 00191 57282 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0450	18732	Tue	00281 00191 57282 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0600	15825	Tue	00282 00218 09362 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0610	16083	Tue	00282 00218 09362 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0620	18233	Tue	00282 00218 09362 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0630	19117	Tue	00282 00218 09362 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0640	20406	Tue	00282 00218 09362 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0650	20978	Tue	00282 00218 09362 (too weak to decode)	MFSK-16/20Bd	(PY)
XPA2	28-10	0800	16346	Tue	00183 00291 01573 ... 77388 38808 52226	MFSK-16/29Bd	(AB)
XPA2	28-10	0810	18197	Tue	00183 00291 01573 ... 77388 38808 52226	MFSK-16/29Bd	(AB)
XPA2	28-10	0820	19537	Tue	00183 00291 01573 ... 77388 38808 52226	MFSK-16/29Bd	(AB)
XPA2	28-10	0830	20271	Tue	00183 00291 01573 ... 77388 38808 52226	MFSK-16/29Bd	(AB)

XPA2	28-10	0840	20873	Tue	00183 00291 01573 ... 77388 38808 52226	MFSK-16/29Bd	(AB)
XPA2	28-10	0850	22914	Tue	00183 00291 01573 ... 77388 38808 52226	MFSK-16/29Bd	(AB)
XPA2	28-10	1100	14537	Tue	04740 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	28-10	1120	13437	Tue	04740 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	28-10	1140	10737	Tue	04740 00001 00000 10140	MFSK-16/29Bd	(AB)
XPA2	28-10	1200	17461	Tue	0084 00271 33003 ... 77560 76008 32101	MFSK-16/29Bd	(AB)
XPA2	28-10	1210	18464	Tue	0084 00271 33003 ... 77560 76008 32101	MFSK-16/29Bd	(AB)
XPA2	28-10	1220	19606	Tue	0084 00271 33003 ... 77560 76008 32101	MFSK-16/29Bd	(AB)
XPA2	28-10	1230	20381	Tue	0084 00271 33003 ... 77560 76008 32101	MFSK-16/29Bd	(AB)
XPA2	28-10	1240	20889	Tue	0084 00271 33003 ... 77560 76008 32101	MFSK-16/29Bd	(AB)
XPA2	28-10	1250	22983	Tue	0084 00271 33003 ... 77560 76008 32101	MFSK-16/29Bd	(AB)
XPA2	28-10	1400	20749	Tue	00285 00181 47273 ... 38451 67719 41041	MFSK-16/29Bd	(AB)
XPA2	28-10	1410	19484	Tue	00285 00181 47273 ... 38451 67719 41041	MFSK-16/29Bd	(AB)
XPA2	28-10	1420	18048	Tue	00285 00181 47273 ... 38451 67719 41041	MFSK-16/29Bd	(AB)
XPA2	28-10	1430	15848	Tue	00285 00181 47273 ... 38451 67719 41041	MFSK-16/29Bd	(AB)
XPA2	28-10	1440	14367	Tue	00285 00181 47273 ... 38451 67719 41041	MFSK-16/29Bd	(AB)
XPA2	28-10	1450	13978	Tue	00285 00181 47273 ... 38451 67719 41041	MFSK-16/29Bd	(AB)
XPA2	28-10	1610	20171	Tue	00286 00235 47627 ... 41298 70502 33270	MFSK-16/29Bd	(AB/PY)
XPA2	28-10	1610	14729	Tue	00286 00235 47627 ... 41298 70502 33270	MFSK-16/29Bd	(PY)
XPA2	28-10	1610	15843	Tue	00286 00235 47627 ... 41298 70502 33270	MFSK-16/29Bd	(PY)
XPA2	28-10	1610	16341	Tue	00286 00235 47627 ... 41298 70502 33270	MFSK-16/29Bd	(PY)
XPA2	28-10	1610	19511	Tue	00286 00235 47627 ... 41298 70502 33270	MFSK-16/29Bd	(PY)
XPA2	28-10	1610	20923	Tue	00286 00235 47627 ... 41298 70502 33270	MFSK-16/29Bd	(PY)
XPA2	28-10	1700	15874	Tue	01706 00001 00000 37651	MFSK-16/29Bd	(AB)
XPA2	28-10	1720	14543	Tue	01706 00001 00000 37651	MFSK-16/29Bd	(AB)
XPA2	28-10	1740	13426	Tue	01706 00001 00000 37651	MFSK-16/29Bd	(AB)
XPA2	28-10	1800	17472	Tue	00287 00225 44167 ... 16761 52024 50344	MFSK-16/29Bd	(AB-FIN)
XPA2	28-10	1810	16324	Tue	00287 00225 44167 ... 16761 52024 50344	MFSK-16/29Bd	(AB-FIN)
XPA2	28-10	1820	15884	Tue	00287 00225 44167 ... 16761 52024 50344	MFSK-16/29Bd	(AB-FIN)
XPA2	28-10	1840	13907	Tue	00287 00225 44167 ... 16761 52024 50344	MFSK-16/29Bd	(AB-FIN)
XPA2	28-10	1850	13394	Tue	00287 00225 44167 ... 16761 52024 50344	MFSK-16/29Bd	(AB-FIN)
XPA2	28-10	2030	11543	Tue	Too poor to decode properly	MFSK-16/20Bd	(PY)
XPA2	28-10	2040	11093	Tue	Too poor to decode properly	MFSK-16/20Bd	(PY)
XPA2	28-10	2050	10797	Tue	Too poor to decode properly	MFSK-16/20Bd	(PY)
XPA2	29-10	0420	15867	Wed	00291 00220 36110 ... 98385 29107 62705	MFSK-16/20Bd	(PY)
XPA2	29-10	0430	17448	Wed	00291 00220 36110 ... 98385 29107 62705	MFSK-16/20Bd	(PY)
XPA2	29-10	0450	18732	Wed	00291 00220 36110 ... 98385 29107 62705	MFSK-16/20Bd	(PY)
XPA2	29-10	0600	15825	Wed	00292 00174 09522 ... 24176 53249 33677	MFSK-16/20Bd	(PY)
XPA2	29-10	0610	16083	Wed	00292 00174 09522 ... 24176 53249 33677	MFSK-16/20Bd	(PY)
XPA2	29-10	0620	18233	Wed	00292 00174 09522 ... 24176 53249 33677	MFSK-16/20Bd	(PY)
XPA2	29-10	0630	19117	Wed	00292 00174 09522 ... 24176 53249 33677	MFSK-16/20Bd	(PY)
XPA2	29-10	0640	20406	Wed	00292 00174 09522 ... 24176 53249 33677	MFSK-16/20Bd	(PY)

XPA2	29-10	0650	20978	Wed	00292 00174 09522 ... 24176 53249 33677	MFSK-16/20Bd	(PY)
XPA2	29-10	0700	13372	Wed	06780 00001 00000 34666	MFSK-16/29Bd	(AB)
XPA2	29-10	0720	14672	Wed	06780 00001 00000 34666	MFSK-16/29Bd	(AB)
XPA2	29-10	0740	15872	Wed	06780 00001 00000 34666	MFSK-16/29Bd	(AB)
XPA2	29-10	0800	16346	Wed	00293 00210 46192 ... 42069 45124 52455	MFSK-16/29Bd	(AB)
XPA2	29-10	0810	18197	Wed	00293 00210 46192 ... 42069 45124 52455	MFSK-16/29Bd	(AB)
XPA2	29-10	0820	19537	Wed	00293 00210 46192 ... 42069 45124 52455	MFSK-16/29Bd	(AB)
XPA2	29-10	0830	20271	Wed	00293 00210 46192 ... 42069 45124 52455	MFSK-16/29Bd	(AB)
XPA2	29-10	0840	20873	Wed	00293 00210 46192 ... 42069 45124 52455	MFSK-16/29Bd	(AB)
XPA2	29-10	0850	22914	Wed	00293 00210 46192 ... 42069 45124 52455	MFSK-16/29Bd	(AB)
XPA2	29-10	0910	19259	Wed	00932 00387 11754 ... 60181 74290 31257	MFSK-16/20Bd	(AB)
XPA2	29-10	0930	18396	Wed	00932 00387 11754 ... 60181 74290 31257	MFSK-16/20Bd	(AB)
XPA2	29-10	0950	17467	Wed	00932 00387 11754 ... 60181 74290 31257	MFSK-16/20Bd	(AB)
XPA2	29-10	1100	14672	Wed	07983 00001 00000 37267	MFSK-16/29Bd	(AB)
XPA2	29-10	1120	13472	Wed	07983 00001 00000 37267	MFSK-16/29Bd	(AB)
XPA2	29-10	1140	12172	Wed	07983 00001 00000 37267	MFSK-16/29Bd	(AB)
XPA2	29-10	1200	17461	Wed	00294 00227 50900 ... 10917 12004 67657	MFSK-16/29Bd	(AB)
XPA2	29-10	1210	18464	Wed	00294 00227 50900 ... 10917 12004 67657	MFSK-16/29Bd	(AB)
XPA2	29-10	1220	19606	Wed	00294 00227 50900 ... 10917 12004 67657	MFSK-16/29Bd	(AB)
XPA2	29-10	1230	20381	Wed	00294 00227 50900 ... 10917 12004 67657	MFSK-16/29Bd	(AB)
XPA2	29-10	1240	20889	Wed	00294 00227 50900 ... 10917 12004 67657	MFSK-16/29Bd	(AB)
XPA2	29-10	1250	22983	Wed	00294 00227 50900 ... 10917 12004 67657	MFSK-16/29Bd	(AB)
XPA2	29-10	1400	20749	Wed	00295 00214 23029 ... 82109 28812 50006	MFSK-16/29Bd	(AB)
XPA2	29-10	1410	19484	Wed	00295 00214 23029 ... 82109 28812 50006	MFSK-16/29Bd	(AB)
XPA2	29-10	1420	18048	Wed	00295 00214 23029 ... 82109 28812 50006	MFSK-16/29Bd	(AB)
XPA2	29-10	1430	15848	Wed	00295 00214 23029 ... 82109 28812 50006	MFSK-16/29Bd	(AB)
XPA2	29-10	1440	14367	Wed	00295 00214 23029 ... 82109 28812 50006	MFSK-16/29Bd	(AB)
XPA2	29-10	1450	13978	Wed	00295 00214 23029 ... 82109 28812 50006	MFSK-16/29Bd	(AB)
XPA2	29-10	1600	20923	Wed	00296 00267 61830 ... 90082 45981 20555	MFSK-16/29Bd	(AB)
XPA2	29-10	1610	20171	Wed	00296 00267 61830 ... 90082 45981 20555	MFSK-16/29Bd	(AB)
XPA2	29-10	1620	19511	Wed	00296 00267 61830 ... 90082 45981 20555	MFSK-16/29Bd	(AB)
XPA2	29-10	1630	16341	Wed	00296 00267 61830 ... 90082 45981 20555	MFSK-16/29Bd	(AB)
XPA2	29-10	1640	15843	Wed	00296 00267 61830 ... 90082 45981 20555	MFSK-16/29Bd	(AB)
XPA2	29-10	1650	14729	Wed	00296 00267 61830 ... 90082 45981 20555	MFSK-16/29Bd	(AB)
XPA2	29-10	1800	14518	Wed	Too weak to decode	MFSK-16/29Bd	(AB)
XPA2	29-10	1800	17472	Wed	00297 00172 07410 ... (poor signal)	MFSK-16/29Bd	(AB-FIN)
XPA2	29-10	1810	16324	Wed	00297 00172 07410 ... (poor signal)	MFSK-16/29Bd	(AB-FIN)
XPA2	29-10	1820	13418	Wed	Too weak to decode	MFSK-16/29Bd	(AB)
XPA2	29-10	1820	15884	Wed	00297 00172 07410 ... (poor signal)	MFSK-16/29Bd	(AB-FIN)
XPA2	29-10	1840	12218	Wed	Too weak to decode	MFSK-16/29Bd	(AB)
XPA2	29-10	1840	13907	Wed	00297 00172 07410 ... (poor signal)	MFSK-16/29Bd	(AB-FIN)
XPA2	29-10	1850	13394	Wed	00297 00172 07410 ... (poor signal)	MFSK-16/29Bd	(AB-FIN)

XPA2	29-10	2000	14418	Wed	00288 00135 71278 ... (poor signal)	MFSK-16/29Bd	(AB-RUS)
XPA2	29-10	2010	13562	Wed	00298 00236 81379 (too poor to decode properly)	MFSK-16/20Bd	(PY)
XPA2	29-10	2020	12194	Wed	00298 00135 71278 ... (poor signal)	MFSK-16/29Bd	(AB-RUS)
XPA2	29-10	2020	12194	Wed	00298 00236 81379 (too poor to decode properly)	MFSK-16/20Bd	(PY)
XPA2	29-10	2030	11543	Wed	00298 00135 71278 ... (poor signal)	MFSK-16/29Bd	(AB-RUS)
XPA2	29-10	2030	11543	Wed	00298 00236 81379 (too poor to decode properly)	MFSK-16/20Bd	(PY)
XPA2	29-10	2040	11093	Wed	00298 00135 71278 ... (poor signal)	MFSK-16/29Bd	(AB-RUS)
XPA2	29-10	2040	11093	Wed	00298 00236 81379 (too poor to decode properly)	MFSK-16/20Bd	(PY)
XPA2	29-10	2050	10797	Wed	00298 00135 71278 ... (poor signal)	MFSK-16/29Bd	(AB-RUS)
XPA2	29-10	2050	10797	Wed	00298 00236 81379 (too poor to decode properly)	MFSK-16/20Bd	(PY)
XPA2	30-10	0500	13892	Thu	00301 00287 62672 ... 73186 94572 47131	MFSK-16/20Bd	(PY)
XPA2	30-10	0510	16301	Thu	00301 00287 62672 ... 73186 94572 47131	MFSK-16/20Bd	(PY)
XPA2	30-10	0520	17436	Thu	00301 00287 62672 ... 73186 94572 47131	MFSK-16/20Bd	(PY)
XPA2	30-10	0530	18582	Thu	00301 00287 62672 ... 73186 94572 47131	MFSK-16/20Bd	(PY)
XPA2	30-10	0540	19084	Thu	00301 00287 62672 ... 73186 94572 47131	MFSK-16/20Bd	(PY)
XPA2	30-10	0550	20381	Thu	00301 00287 62672 ... 73186 94572 47131	MFSK-16/20Bd	(PY)
XPA2	30-10	0700	17459	Thu	00302 00221 35691 ... 72686 93605 61364	MFSK-16/20Bd	(PY)
XPA2	30-10	0710	18697	Thu	00302 00221 35691 ... 72686 93605 61364	MFSK-16/20Bd	(PY)
XPA2	30-10	0720	19273	Thu	00302 00221 35691 ... 72686 93605 61364	MFSK-16/20Bd	(PY)
XPA2	30-10	0730	20056	Thu	00302 00221 35691 ... 72686 93605 61364	MFSK-16/20Bd	(PY)
XPA2	30-10	0740	20992	Thu	00302 00221 35691 ... 72686 93605 61364	MFSK-16/20Bd	(PY)
XPA2	30-10	0750	22942	Thu	00302 00221 35691 ... 72686 93605 61364	MFSK-16/20Bd	(PY)
XPA2	30-10	0900	19587	Thu	09773 00000 00000 36271	MFSK-16/20Bd	(AB)
XPA2	30-10	0920	18375	Thu	09773 00000 00000 36271	MFSK-16/20Bd	(AB)
XPA2	30-10	0940	17432	Thu	09773 00000 00000 36271	MFSK-16/20Bd	(AB)
XPA2	30-10	1100	14672	Thu	03405 00001 00000 35653	MFSK-16/29Bd	(AB)
XPA2	30-10	1100	16249	Thu	00303 00291 04331 ... 91679 60986 27263	MFSK-16/20Bd	(PY)
XPA2	30-10	1110	18334	Thu	00303 00291 04331 ... 91679 60986 27263	MFSK-16/20Bd	(PY)
XPA2	30-10	1120	13472	Thu	03405 00001 00000 35653	MFSK-16/29Bd	(AB)
XPA2	30-10	1120	19624	Thu	00303 00291 04331 ... 91679 60986 27263	MFSK-16/20Bd	(PY)
XPA2	30-10	1130	20118	Thu	00303 00291 04331 ... 91679 60986 27263	MFSK-16/20Bd	(PY)
XPA2	30-10	1140	12172	Thu	03405 00001 00000 35653	MFSK-16/29Bd	(AB)
XPA2	30-10	1140	20951	Thu	00303 00291 04331 ... 91679 60986 27263	MFSK-16/20Bd	(PY)
XPA2	30-10	1150	22869	Thu	00303 00291 04331 ... 91679 60986 27263	MFSK-16/20Bd	(PY)
XPA2	30-10	1300	22917	Thu	00304 00156 68319 ... 52178 37594 16107	MFSK-16/20Bd	(PY)
XPA2	30-10	1310	20789	Thu	00304 00156 68319 ... 52178 37594 16107	MFSK-16/20Bd	(PY)
XPA2	30-10	1320	19543	Thu	00304 00156 68319 ... 52178 37594 16107	MFSK-16/20Bd	(PY)
XPA2	30-10	1330	18241	Thu	00304 00156 68319 ... 52178 37594 16107	MFSK-16/20Bd	(PY)
XPA2	30-10	1340	16252	Thu	00304 00156 68319 ... 52178 37594 16107	MFSK-16/20Bd	(AB/PY)
XPA2	30-10	1350	15809	Thu	00304 00156 68319 ... 52178 37594 16107	MFSK-16/20Bd	(PY)
XPA2	30-10	1500	20847	Thu	00305 00157 90168 ... 04920 24828 25244	MFSK-16/20Bd	(PY)
XPA2	30-10	1510	19184	Thu	00305 00157 90168 ... 04920 24828 25244	MFSK-16/20Bd	(PY)

XPA2	30-10	1520	18358	Thu	00305 00157 90168 ... 04920 24828 25244	MFSK-16/20Bd	(PY)
XPA2	30-10	1530	17435	Thu	00305 00157 90168 ... 04920 24828 25244	MFSK-16/20Bd	(PY)
XPA2	30-10	1540	14967	Thu	00305 00157 90168 ... 04920 24828 25244	MFSK-16/20Bd	(PY)
XPA2	30-10	1550	13367	Thu	00305 00157 90168 ... 04920 24828 25244	MFSK-16/20Bd	(PY)
XPA2	30-10	1700	15874	Thu	08474 00001 00000 35267	MFSK-16/29Bd	(AB)
XPA2	30-10	1720	14543	Thu	08474 00001 00000 35267	MFSK-16/29Bd	(AB)
XPA2	30-10	1740	13426	Thu	08474 00001 00000 35267	MFSK-16/29Bd	(AB)
XPA2	30-10	1951	11078	Thu	Too weak to decode	MFSK-16/20Bd	(PY)
XPA2	30-10	2100	13364	Thu	00307 00161 39109 ... 82316 52293 21746	MFSK-16/20Bd	(PY)
XPA2	30-10	2110	12223	Thu	00307 00161 39109 ... 82316 52293 21746	MFSK-16/20Bd	(PY)
XPA2	30-10	2120	11494	Thu	00307 00161 39109 ... 82316 52293 21746	MFSK-16/20Bd	(PY)
XPA2	30-10	2130	10829	Thu	00307 00161 39109 ... 82316 52293 21746	MFSK-16/20Bd	(PY)
XPA2	30-10	2150	9293	Thu	00307 00161 39109 ... 82316 52293 21746	MFSK-16/20Bd	(PY)
XPA2	31-10	0500	13892	Fri	00311 00186 00216 ... 70189 53675 00017	MFSK-16/20Bd	(PY)
XPA2	31-10	0510	16301	Fri	00311 00186 00216 ... 70189 53675 00017	MFSK-16/20Bd	(PY)
XPA2	31-10	0520	17436	Fri	00311 00186 00216 ... 70189 53675 00017	MFSK-16/20Bd	(PY)
XPA2	31-10	0530	18582	Fri	00311 00186 00216 ... 70189 53675 00017	MFSK-16/20Bd	(PY)
XPA2	31-10	0540	19084	Fri	00311 00186 00216 ... 70189 53675 00017	MFSK-16/20Bd	(PY)
XPA2	31-10	0550	20381	Fri	00311 00186 00216 ... 70189 53675 00017	MFSK-16/20Bd	(PY)
XPA2	31-10	0700	17459	Fri	00312 00285 68292 ... 29484 51538 30134	MFSK-16/20Bd	(AB)
XPA2	31-10	0710	18697	Fri	00312 00285 68292 ... 29484 51538 30134	MFSK-16/20Bd	(AB)
XPA2	31-10	0720	19273	Fri	00312 00285 68292 ... 29484 51538 30134	MFSK-16/20Bd	(AB)
XPA2	31-10	0730	20056	Fri	00312 00285 68292 ... 29484 51538 30134	MFSK-16/20Bd	(AB)
XPA2	31-10	0740	20992	Fri	00312 00285 68292 ... 29484 51538 30134	MFSK-16/20Bd	(AB)
XPA2	31-10	0750	22942	Fri	00312 00285 68292 ... 29484 51538 30134	MFSK-16/20Bd	(AB)
XPA2	31-10	1100	14537	Fri	04455 00001 00000 00140	MFSK-16/29Bd	(AB)
XPA2	31-10	1100	16247	Fri	00313 00245 81997 ... 14511 02571 67254	MFSK-16/29Bd	(AB)
XPA2	31-10	1110	18334	Fri	00313 00245 81997 ... 14511 02571 67254	MFSK-16/29Bd	(AB)
XPA2	31-10	1120	13437	Fri	04455 00001 00000 00140	MFSK-16/29Bd	(AB)
XPA2	31-10	1120	19264	Fri	00313 00245 81997 ... 14511 02571 67254	MFSK-16/29Bd	(AB)
XPA2	31-10	1130	20118	Fri	00313 00245 81997 ... 14511 02571 67254	MFSK-16/29Bd	(AB)
XPA2	31-10	1140	10737	Fri	04455 00001 00000 00140	MFSK-16/29Bd	(AB)
XPA2	31-10	1140	20951	Fri	00313 00245 81997 ... 14511 02571 67254	MFSK-16/29Bd	(AB)
XPA2	31-10	1150	22869	Fri	00313 00245 81997 ... 14511 02571 67254	MFSK-16/29Bd	(AB)
XPA2	31-10	1500	20847	Fri	00314 00286 76514 ... 68331 33716 70617	MFSK-16/20Bd	(PY)
XPA2	31-10	1510	19184	Fri	00314 00286 76514 ... 68331 33716 70617	MFSK-16/20Bd	(PY)
XPA2	31-10	1520	18358	Fri	00314 00286 76514 ... 68331 33716 70617	MFSK-16/20Bd	(PY)
XPA2	31-10	1530	17435	Fri	00314 00286 76514 ... 68331 33716 70617	MFSK-16/20Bd	(PY)
XPA2	31-10	1540	14967	Fri	00314 00286 76514 ... 68331 33716 70617	MFSK-16/20Bd	(PY)
XPA2	31-10	1550	13367	Fri	00314 00286 76514 ... 68331 33716 70617	MFSK-16/20Bd	(PY)
XPA2	31-10	1710	18233	Fri	Too weak to decode	MFSK-16/20Bd	(PY)
XPA2	31-10	1720	17463	Fri	Too weak to decode	MFSK-16/20Bd	(PY)

XPA2	31-10	1730	15864	Fri	Too weak to decode	MFSK-16/20Bd	(PY)
XPA2	31-10	1740	14984	Fri	Too weak to decode	MFSK-16/20Bd	(PY)
XPA2	31-10	1750	13967	Fri	Too weak to decode	MFSK-16/20Bd	(PY)
XPA2	31-10	1800	14518	Fri	Too weak to copy	MFSK-16/29Bd	(AB)
XPA2	31-10	1820	13418	Fri	Too weak to copy	MFSK-16/29Bd	(AB)
XPA2	31-10	1840	12218	Fri	Too weak to copy	MFSK-16/29Bd	(AB)
XPA2	31-10	1950	11078	Fri	00316 00274 33273 ... 1173_ 64174 05003	MFSK-16/20Bd	(AB-S)
XPA2	31-10	2100	13364	Fri	00317 00264 01916 ... 76436 72955 01375	MFSK-16/20Bd	(AB-S)
XPA2	31-10	2110	12223	Fri	00317 00264 01916 ... 76436 72955 01375	MFSK-16/20Bd	(AB-S)
XPA2	31-10	2120	11494	Fri	00317 00264 01916 ... 76436 72955 01375	MFSK-16/20Bd	(AB-S)
XPA2	31-10	2130	10829	Fri	00317 00264 01916 ... 76436 72955 01375	MFSK-16/20Bd	(AB-S)
XPA2	31-10	2140	10214	Fri	00317 00264 01916 ... 76436 72955 01375	MFSK-16/20Bd	(PY)
XPB1	3-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-10	0900	8148	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	0910	9283	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	0920	10427	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	0930	11574	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	0940	12153	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	0950	13439	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)

XPB1	10-10	1030	8148	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	1040	9283	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	1050	10427	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	1100	11574	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	1110	12153	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	1120	13439	Fri	Russian intel. 1m40s (null msg)	MFSK-16	(PY)
XPB1	10-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	10-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	10-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	10-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	17-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0400	13485	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0410	14515	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0420	15963	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0430	17426	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0440	18235	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0450	18748	Mon	Russian intel.	MFSK-16	(PY)

XPB1	20-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0600	15926	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0610	16148	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0620	18321	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0630	19417	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0640	20167	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0650	20893	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0800	16294	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0810	18276	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0820	19426	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0830	20297	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0840	20893	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	0850	22874	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1200	17424	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1210	18450	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1220	19085	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1230	20153	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1240	20897	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1250	22873	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1400	20987	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1410	19334	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1420	18482	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1430	15925	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1440	14434	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1450	13984	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1600	20879	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1610	20156	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1620	18571	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1630	16286	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1640	15836	Mon	Russian intel.	MFSK-16	(PY)
XPB1	20-10	1650	14976	Mon	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0400	13485	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0410	14515	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0420	15963	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0430	17426	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0440	18235	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0450	18748	Tue	Russian intel.	MFSK-16	(PY)

XPB1	21-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	0600	15926	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0610	16148	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0620	18321	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0630	19417	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0640	20167	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0650	20893	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0800	16294	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0810	18276	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0820	19426	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0830	20297	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0840	20893	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	0850	22874	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1200	17424	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1210	18450	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1220	19085	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1230	20153	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1240	20897	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1250	22873	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1400	20987	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1410	19334	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1420	18482	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1430	15925	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1440	14434	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1450	13984	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1600	20879	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1610	20156	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1620	18571	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1630	16286	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1640	15836	Tue	Russian intel.	MFSK-16	(PY)
XPB1	21-10	1650	14976	Tue	Russian intel.	MFSK-16	(PY)

XPB1	22-10	0400	13485	Wed	Russian intel.	MFSK-16	(PY)
XPB1	22-10	0410	14515	Wed	Russian intel.	MFSK-16	(PY)
XPB1	22-10	0420	15963	Wed	Russian intel.	MFSK-16	(PY)
XPB1	22-10	0430	17426	Wed	Russian intel.	MFSK-16	(PY)
XPB1	22-10	0440	18235	Wed	Russian intel.	MFSK-16	(PY)
XPB1	22-10	0450	18748	Wed	Russian intel.	MFSK-16	(PY)
XPB1	22-10	0600	15926	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0610	16148	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0620	18321	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0630	19417	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0640	20167	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0650	20893	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0800	16294	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0810	18276	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0820	19426	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0830	20297	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0840	20893	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	0850	22874	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1200	17424	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1210	18450	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1220	19085	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1230	20153	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1240	20897	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1250	22873	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1400	20987	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1410	19334	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1420	18482	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1430	15925	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1440	14434	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1450	13984	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1600	20879	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1610	20156	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1620	18571	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1630	16286	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1640	15836	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	22-10	1650	14976	Wed	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	1110	18182	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1120	19334	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1130	20147	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1140	20978	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1150	22961	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1350	15936	Thu	Russian intel.	MFSK-16	(PY)

XPB1	23-10	1350	16158	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1350	18320	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1350	19417	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1350	20906	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1350	22908	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1500	20073	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1510	19533	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1520	18046	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1530	17447	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1540	14751	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1550	13906	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1700	19324	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1710	18226	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1720	17467	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1730	15874	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1740	14532	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1750	13481	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1920	16294	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1930	14751	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1940	11516	Thu	Russian intel.	MFSK-16	(PY)
XPB1	23-10	1950	11132	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	2100	13372	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	2110	12213	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	2120	11432	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	2130	10824	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	2140	10326	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	23-10	2150	9045	Thu	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1110	18182	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1120	19334	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1130	20147	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1140	20978	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1150	22961	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1350	15936	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1350	16158	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1350	18320	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1350	19417	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1350	20906	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1350	22908	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1500	20073	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1510	19533	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1520	18046	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1530	17447	Fri	Russian intel.	MFSK-16	(PY)

XPB1	24-10	1540	14751	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1550	13906	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1700	19324	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1710	18226	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1720	17467	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1730	15874	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1740	14532	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1750	13481	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	1920	16294	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1930	14751	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1940	11516	Fri	Russian intel.	MFSK-16	(PY)
XPB1	24-10	1950	11132	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	2100	13372	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	2110	12213	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	2120	11432	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	2130	10824	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	2140	10326	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	24-10	2150	9045	Fri	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1110	18182	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1120	19334	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1130	20147	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1140	20978	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1150	22961	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1300	22908	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1310	20906	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1320	19417	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1330	18320	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1340	16158	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1350	15936	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1500	20073	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1510	19533	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1520	18046	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1530	17447	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1540	14751	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1550	13906	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1700	19324	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1710	18226	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1720	17467	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1730	15874	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1740	14532	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1750	13481	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1920	16294	Sat	Russian intel.	MFSK-16	(AB/PY)

XPB1	25-10	1930	14751	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1940	11516	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	1950	11132	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	2100	13372	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	2110	12213	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	2120	11432	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	2130	10824	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	2140	10326	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	25-10	2150	9045	Sat	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0400	13485	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0410	14515	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0420	15963	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0430	17426	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0440	18235	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0450	18748	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0600	15926	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0610	16148	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0620	18321	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0630	19417	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0640	20167	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0650	20893	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0800	16294	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0810	18276	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0820	19426	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0830	20297	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0840	20893	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	0850	22874	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1200	17424	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1210	18450	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1220	19085	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1230	20153	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1240	20897	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1250	22873	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1400	20987	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1420	18482	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1420	19334	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1430	15925	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1440	14434	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1450	13984	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1600	20879	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1610	20156	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1620	18571	Sun	Russian intel.	MFSK-16	(AB/PY)

XPB1	26-10	1630	16286	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1640	15836	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1650	14976	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1800	17457	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1810	16256	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1820	15863	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1830	14784	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1840	13396	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	1850	12162	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	2000	14536	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	2010	13439	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	2020	12162	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	2030	11536	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	2040	11426	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	26-10	2050	10798	Sun	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	0400	13485	Mon	Russian intel.	MFSK-16	(PY)
XPB1	27-10	0410	14515	Mon	Russian intel.	MFSK-16	(PY)
XPB1	27-10	0420	15963	Mon	Russian intel.	MFSK-16	(PY)
XPB1	27-10	0430	17426	Mon	Russian intel.	MFSK-16	(PY)
XPB1	27-10	0440	18235	Mon	Russian intel.	MFSK-16	(PY)
XPB1	27-10	0450	18748	Mon	Russian intel.	MFSK-16	(PY)
XPB1	27-10	0500	19544	Mon	Russian intel.	MFSK-16	(TM)
XPB1	27-10	0510	19044	Mon	Russian intel.	MFSK-16	(TM)
XPB1	27-10	0520	18444	Mon	Russian intel.	MFSK-16	(TM)
XPB1	27-10	0530	17444	Mon	Russian intel.	MFSK-16	(TM)
XPB1	27-10	0540	16244	Mon	Russian intel.	MFSK-16	(TM)
XPB1	27-10	0550	15844	Mon	Russian intel.	MFSK-16	(TM)
XPB1	27-10	0600	15926	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	0610	16148	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	0620	18321	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	0630	19417	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	0640	20167	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	0650	20893	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1200	17424	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1210	18450	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1220	19085	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1230	20153	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1240	20897	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1250	22873	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1400	20987	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1420	18482	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1420	19334	Mon	Russian intel.	MFSK-16	(AB/PY)

XPB1	27-10	1430	15925	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1440	14434	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1450	13984	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1600	20879	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1610	20156	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1620	18571	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1630	16286	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1640	15836	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1650	14976	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1800	17457	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1810	16256	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1820	15863	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1830	14784	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1840	13396	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	1850	12162	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	2000	14536	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	2010	13439	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	2020	12162	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	2030	11536	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	2040	11426	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	27-10	2050	10798	Mon	Russian intel.	MFSK-16	(AB/PY)
XPB1	28-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		X	MFSK modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHXd YHXd YHXd DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military

M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB and 4+4 QPSK 75/1000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy
X--	21-tone MFSK with 125 Hz tone spacing + 13-tone MFSK with 250 Hz spacing	RUA	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - . .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[+]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - - .			Wait	[AS]	. - . . .
Q	- - - .			End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ü	. . - -	End of message	[AR]	. - . - .
S	. . .			Starting signal		- . - . -
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - . -
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

For Cyrillic morse etc., see also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	. . — — —	Hai	To	dvoyka	Twso	Two
3	. . . — —	Ba	Fwee	troyka	Drei	Three
4	 —	Bô'n	Fo	chetvyorka	Vier	Four
5		Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — . . .	Ba y	Seven	syem	Sieben	Seven
8	— — — . .	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	—					
/	—					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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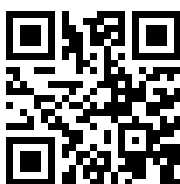
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070 27364 92636 09428 61208 14982 36998 32764 31276 01
 086 80932 70987 32123 49817 26346 81287 65491 87364 81
 121 75654 55656 12737 72727 72727 91918 63473 67867 74
 123 87629 37677 32612 53498 71296 28756 18276 98716 87
 1269 76329 74698 76857 98670 27601 56701 57601 73648 1
 591 87364 87265 96710 27630 12673 84769 28743 98127 5
 63298 75698 27465 87326 49876 28376 81273 98615 0
 67 87432 74328 78674 29867 32867 67867 86796 43246 8
 57 68768 68763 98234 34238 68768 62345 48273 48768 23
 736 98432 32432 86743 43286 43286 43286 43286 43286 4
 743 86743 86743 39867 32867 86743 43286 43286 43243 8
 741 86743 86743 86743 86743 86743 86743 86743 86743 4
 583 98798 98754 98754 98754 98754 29867 67543 67986 8
 176 87698 69876 87698 69876 87612 12341 34867 86798 6
 187 43298 65656 55756 56123 32143 14321 32143 14321 3
 12767 58765 76587 58765 76587 58765 76587 58756 76
 12767 58765 76587 58765 76587 58765 76587 58756 76

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